State of Utah

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Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services
D'ARCY DIXON PIGNANELLI
Executive Director

Division of Facilities Construction and Management
F. KEITH STEPAN
Director

MEMORANDUM

Date:	3 May 2005	
To:	Consultants	
From:	Vic Middleton, DFCM	
Reference:	Draper Prison Vocational Training Center DFCM Project No. 04256100	
Subject:	**Addendum No. 1**	
Pages	Addendum	1 pages
	Architectural Addendum Attachment	33 pages
	Total	**34 pages**

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in this Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

1.1 General:

1.1.1 This Cover Sheet serves both as a Notice of the Addendum #1that is available in full (34 pages) on the DFCM web site, www.dfcm.utah.gov and as the first page of the addendum.

1.1.2 Attached is a 33 page addendum from AJC Architects, included are 22 – 8.5 x 11 pages and 11 – 11 x 17 pages.

End of Addendum

ajc architects

addendum # 1

Draper Prison Vocational Training Center

Draper Utah
ajc architects project #: 0502
dfcm project #: 04256100

date: Tuesday, May 03, 2005
time: 2:28 PM

pages: 33

The bidders on the above captioned project shall be governed by the following changes, additions, and/or deletions in the Drawings and Specifications. This Addendum shall be included as part of the Contract Documents.

Items

Item 1: Building to be located approximately 16'-10" south of current project location to provide for more room for the paint booth at the north end of the building. See attached revised sheets C101,C201,C401, AS101 and AS102.

Item 2: Approximately 120'-4 ½" lineal feet of fencing is to be removed. Approximate height of fence is 4"-0" from grade – See attached revised sheet AS101.

Item 3: Paint booth to be located outside of building, rotated and fully sprinklered. Concrete slab size at north exterior of building to be increased to 24'-4" x 14'-8" – see attached revised sheet AS102 and AE103 and electrical addenda.

Item 4: Dust extraction system to be relocated to north end of building - See attached revised sheet AE103 and electrical addenda.

Item 5: Provide additional eye wash station and gang hand wash station in wood shop area – see attached revised sheets AE101, AE102, AE103 and mechanical addenda.

Item 6: Clarification – erroneous key notes removed from sheet AE102 between grids 4 and 5 and A.2. See attached revised sheet AE102.

Item 7: Exterior wall at grid line A to be rated one (1) hour. See attached supplemental drawing AD1.1 and AD1.2 for assembly and UL listing. See attached revised sheet AE601 for revised door schedule and attached revised overhead coiling door specification section 08331 included herein in its entirety. See electrical addenda for fire alarm interlock.

Item 8: Restroom layouts to be revised to allow wider access isle to accessible stalls.

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Janitor Closet 014 and Storage 013 to be reduced in size and doors 23 and 26 to be changed to double doors. See attached revised sheet AE401 and AD1.3.

Item 9: All insulating material, where exposed, shall have a flame spread index of not more than 25 and a smoke developed index of not more than 450.

Item 10: Floors in Rest Rooms 011 and 012 to be sealed concrete – see attached revised sheet AE601 for finish.

Item 11: Hardware Group 8 labeled incorrectly on bid documents as Hardware Group 7 – see attached revised sheet AE601 for hardware groups.

Item 12: Approved Architectural Substitution Requests:
Provided the products listed below meet all requirements as set forth in the project manual, they are approved for inclusion in bid. Full submittals verifying compliance will be required.

a. Hager Thresholds -specification section 08711.
b. Flush Metal Toilet Partitions (solid phenolic) – specification section 10155.
c. Global Toilet Partitions (solid phenolic) – specification section 10155.

Item 13: Provide 3'-0" waterway as indicated on attached revised C101 and C501.

Item 13: See attached Mechanical Addenda.

Item 14 See attached Electrical Addenda.

END OF ADDENDUM

Brad Ashworth AIA

attachments: Sheets C101,C201,C401,C501,AS101,AS102,AE101.AE102,AE103,AE401,AE601, AD1.1, AD1.2, AD1.3.

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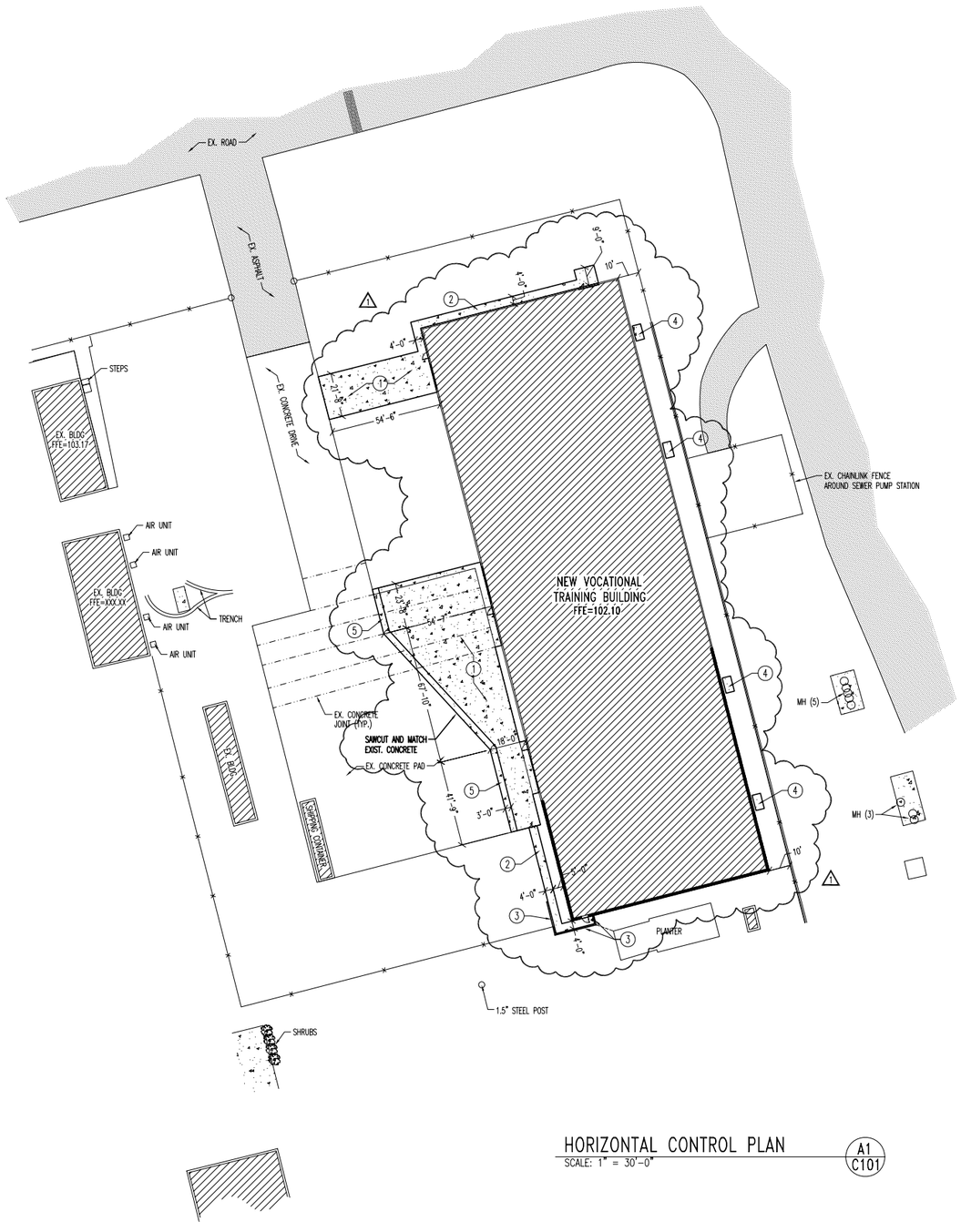

HORIZONTAL CONTROL PLAN
SCALE: 1" = 30'-0"

A1
C101

NORTH

SCALE: 1" = 30'

0 15 30 45 60 90 120 150

GENERAL NOTES:
ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED

SEE ARCHITECT'S SITE PLAN FOR ADDITIONAL DIMENSIONS AND INFORMATION

ALL WORK TO COMPLY WITH GOVERNING AGENCY'S STANDARDS AND SPECIFICATIONS

ALL IMPROVEMENTS MUST COMPLY WITH ADA STANDARDS AND RECOMMENDATIONS.

SCOPE OF WORK:
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

(1) CONCRETE PAVEMENT WITH GRANULAR BASE PER DETAIL 'C1', SHEET C501.

(2) CONCRETE SIDEWALK PER DETAIL 'D1', SHEET C501.

(3) 8" CONCRETE RETAINING WALL PER DETAIL 'C2', SHEET C501.

(4) NEW 7'-8" x 4'-2" CONCRETE COOLER PAD. 4" CONCRETE OVER 4" BASE COURSE.

(5) 3' WIDE CONCRETE WATERWAY. SEE DETAIL 'C5', SHEET C501.

AJC PROJECT # 0502

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ATE CENTER AT UTAH STATE PRISON

DRAPER, UTAH

SHEET NAME:
HORIZONTAL CONTROL PLAN

REVISIONS

MARK	DATE	DESCRIPTION
1	05/03/05	MOVED BLDG

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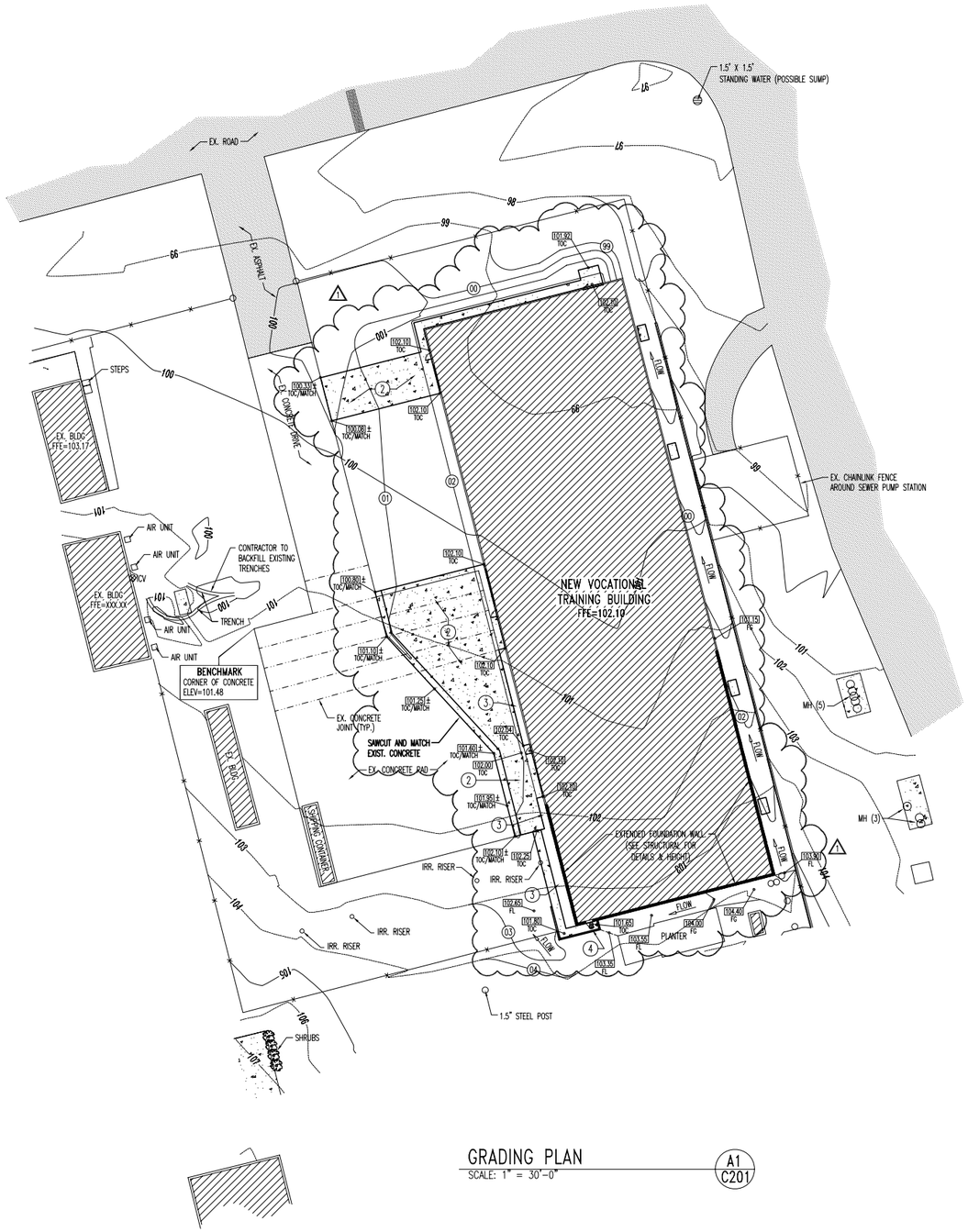
SHEET NUMBER:
C101



GRADING PLAN
SCALE: 1" = 30'-0"

A1
C201

NORTH

SCALE: 1" = 30'

0 15 30 45 60 90 120 150

GENERAL NOTES:

SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557 EXCEPT UNDER BUILDING FOUNDATION WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS & SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.

THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C2.02 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.

EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.

SCOPE OF WORK:

PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

1. GRADE SITE TO ELEVATIONS AND CONTOURS SHOWN ON PLAN.
2. CONCRETE PAVEMENT WITH UNTREATED BASE COURSE PER DETAIL 'C1', SHEET C501.
3. 8" THICK BED OF WASHED GRAVEL.
4. INSTALL NEW FLOOR DRAIN WITH 1 CU.YD. GRAVEL.

AJC PROJECT # 0502

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SHEET NAME:

GRADING PLAN

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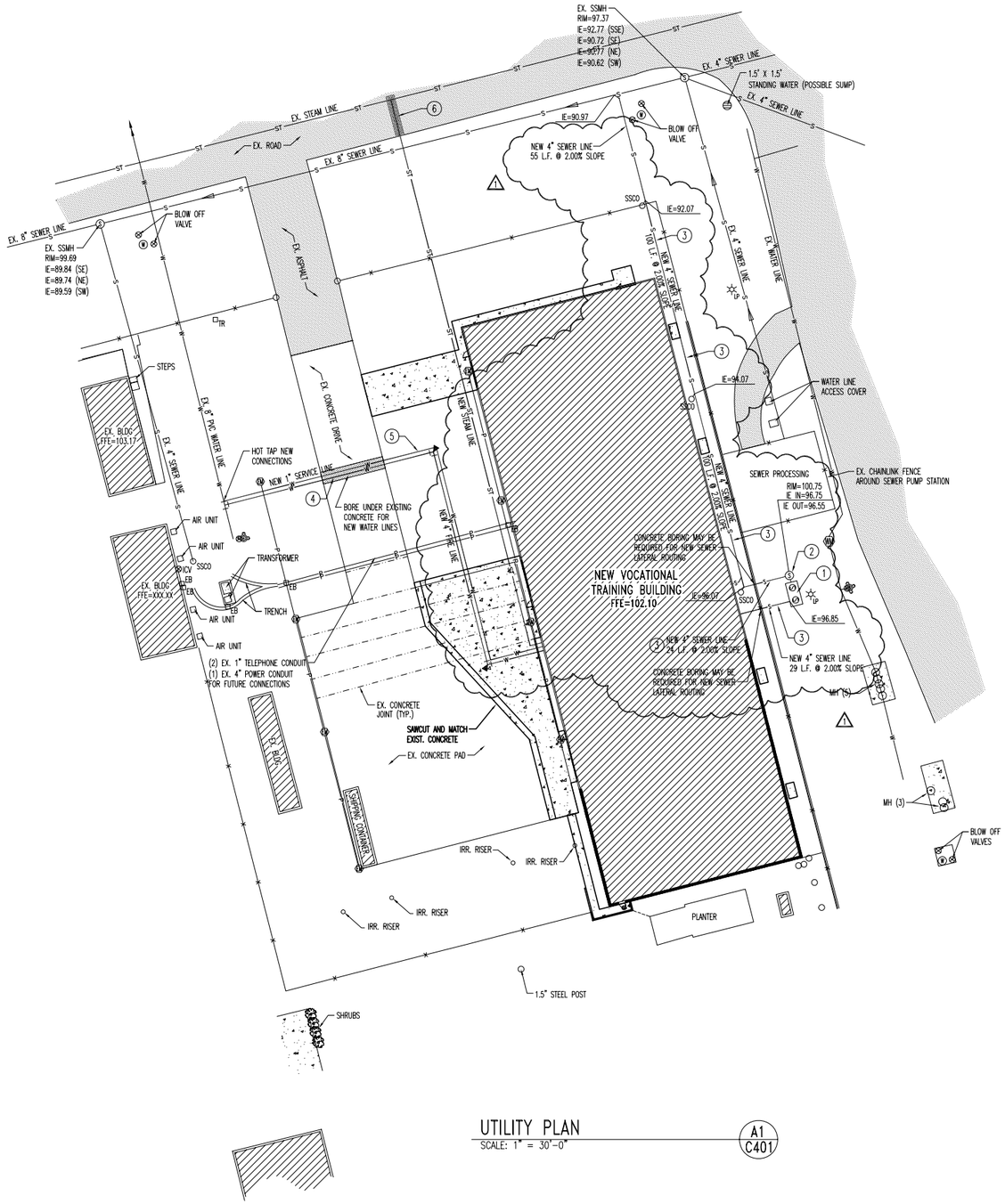

UTILITY PLAN
SCALE: 1" = 30'-0"
A1
C401

NORTH

SCALE: 1" = 30'

0 15 30 45 60 90 120 150

GENERAL NOTES:
CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL DRAWINGS.

ALL NEW WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.

ALL NEW SANITARY SEWER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.

CONTRACTOR IS TO COORDINATE LOCATIONS OF NEW TELEPHONE SERVICE TO BUILDING WITH QWEST. A PVC CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE IS REQUIRED FOR SERVICE THROUGH PROPERTY, COORDINATE SIZES AND LOCATION WITH QWEST.

CONTRACTOR IS TO SUBMIT SITE PLAN TO QUESTAR GAS FOR DESIGN OF GAS LINE SERVICE TO BUILDING. CONTRACTOR TO COORDINATE WITH QUESTAR GAS FOR CONTRACTOR LIMITS OF WORK VERSES QUESTAR GAS LIMITS.

LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. CONTRACTOR IS TO VERIFY CONNECTION POINTS WITH EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURE THAT ARE TO REMAIN.

UTILITY ALERT PHONE NUMBERS
WATER & SEWER –
NATURAL GAS – QUESTAR GAS
ELECTRICAL POWER – UTAH POWER
TELEPHONE – QWEST

SCOPE OF WORK:
PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED AND THE DETAILS NOTED AND AS SHOWN ON THE CONSTRUCTION DRAWINGS:

(1) NEW GREASE INTERCEPTOR. SEE DETAIL 'A1', SHEET C501.

(2) NEW 4'ø SAMPLING MANHOLE BOX. SEE DETAIL 'A4' SHEET C501.

(3) 4" PVC SDR-35 SANITARY SEWER LATERAL, INCLUDING NEW CLEANOUTS AT 100-FOOT MAXIMUM SPACING. SEE DETAIL 'C4', SHEET C501 FOR TRENCHING. SEE DETAIL 'D4', SHEET C501 FOR CLEANOUTS.

(4) NEW 4" PVC C-900 FIRE LINE. CONNECT TO EXISTING WATER LINE.

(5) NEW 1" TYPE 'K' COPPER WATER SERVICE LINE. CONNECT TO EXISITNG WATER LINE.

(6) ASPHALT STREET REPAIR. SEE DETAIL 'C4', SHEET C501.

(7) NATURAL GAS LINE. CONTRACTOR TO COORDINATE SIZE DESIGN AND INSTALLATION BY QUESTAR GAS WITH OTHER CONSTRUCTION.

(8) TELEPHONE LINE. CONTRACTOR TO PROVIDE TRENCHING 30" DEEP X 24" WIDE FOR QWEST AND THEN BACKFILL AS REQUIRED.

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UTILITY PLAN

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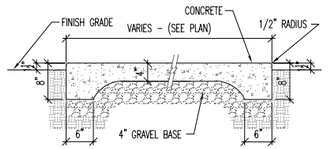
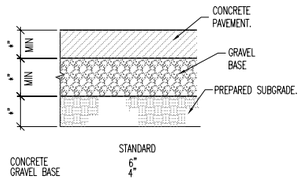
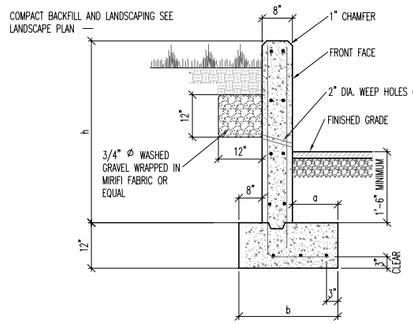
SHEET 5 OF 44 TOTAL PAGES



STD. SIDEWALK (D1)
N.T.S.



CONCRETE PAVEMENT SECTION (QL)
N.T.S.

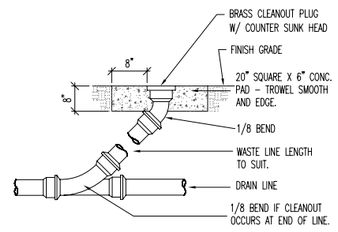


RETAINING WALL SCHEDULE							
WALL DIMENSIONS			REINFORCING BARS				
			BACK FACE		FRONT-FACE		FOOTING
h	a	b	VERTICAL	HORIZONTAL	EACH-WAY		LONGITUDE
3'-0"	8"	2'-0"	#5 @ 16" O.C.	#4 @ 24" O.C.	#4 @ 24" O.C.		(2) #4
4'-0"	1'-2"	2'-6"	#5 @ 16" O.C.	#4 @ 24" O.C.	#4 @ 24" O.C.		(2) #4
5'-0"	1'-8"	3'-0"	#5 @ 16" O.C.	#4 @ 24" O.C.	#4 @ 24" O.C.		(3) #4
6'-0"	2'-8"	4'-0"	#5 @ 12" O.C.	#4 @ 18" O.C.	#4 @ 18" O.C.		(4) #4
6'-6"	3'-2"	4'-6"	#5 @ 12" O.C.	#4 @ 12" O.C.	#4 @ 16" O.C.		(5) #4

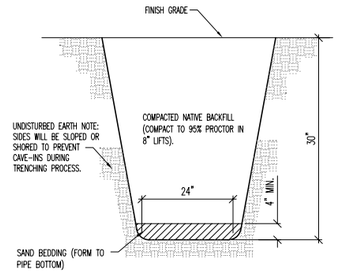
NOTES:
1. PROVIDE 2"ø WEEP HOLES @ 12' O.C. AND CONTROL JOINTS @ 12' O.C.
2. PROVIDE EXPANSION JOINTS @ 48' O.C. (FULL BREAK). SLEEVE HORIZONTAL STEEL

1" WIDE x 3/4" DEEP.

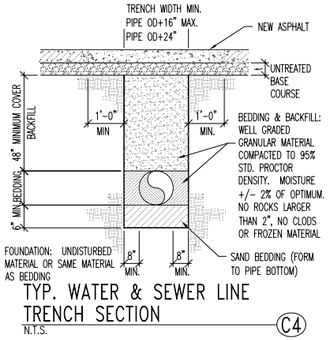
RETAINING WALL SECTION (C2)
SCALE: 3/4"= 1'- 0"



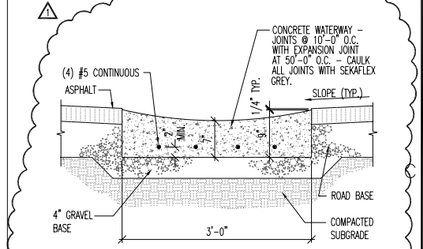
CLEANOUT DETAIL (D4)
N.T.S.



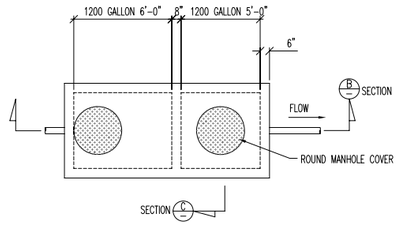
TYPICAL UTILITY TRENCH (D5)
N.T.S.



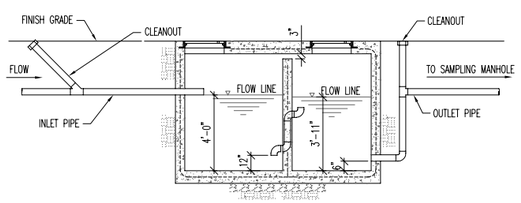
TYP. WATER & SEWER LINE TRENCH SECTION (C4)
N.T.S.

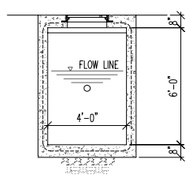


CONCRETE WATERWAY (C5)
SCALE: 1" - 1'-0"



PLAN - GREASE INTERCEPTOR





SECTION - GREASE INTERCEPTOR

GREASE INTERCEPTOR (A1)
SCALE: N.T.S.

NOTES
1. PIPING, CLEANOUT CONFIGURATION, SIZE AND TYPE OF PIPING MATERIAL AS PER CITY OR SANITARY DISTRICT. INSPECTION BY SVWRD PRIOR TO BACKFILLING IS REQUIRED.
2. INTERCEPTOR PIPING AND OTHER ASSOCIATED PIPING CHANGES THAT ARE NECESSARY TO INSTALL INTERCEPTOR MUST BE IN ACCORDANCE WITH LOCAL REGULATIONS.
3. INTERCEPTOR MUST BE PROPERLY VENTED IN ACCORDANCE WITH UNIFORM PLUMBING CODE STANDARDS.
4. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
5. REINFORCEMENT STEEL SHALL BE ASTM A615 GRADE 60.
6. THE CONCRETE COVER OVER REINFORCEMENT STEEL SHALL BE A MINIMUM OF 1-1/2 INCHES.
7. THE STRUCTURE SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF UTAH.
8. THE STRUCTURE SHALL BE DESIGNED FOR THE FOLLOWING LOADING CRITERIA:
   A) WALLS DESIGNED FOR A SATURATED EQUIVALENT FLUID AT-REST SOIL PRESSURE OF 90 PCF PLUS TRUCK SURCHARGES.
   B) TRUCK LOADING USING AN AASHTO H-20 TRUCK LOAD.
9. MANWAY FRAME & COVER SHALL BE A TRAFFIC TYPE CASTING FOR H-20 TRUCK LOAD.
10. THE INLET PIPE SHALL BE AT AN ELEVATION 1" HIGHER THAT THE OUTLET PIPE
11. WHERE THE SEWER LINE ALREADY EXISTS, THE SEWER INVERT INTO AND OUT OF THE INTERCEPTOR SHALL BE 4'-0" ABOVE THE INTERCEPTOR FLOOR.
12. THE BAFFLE IN THE INTERCEPTOR SHALL BE WITHIN 3" OF THE CEILING.
13. COVERS SHALL BE CIRCULAR AND BE SOLID.
14. SANITARY WASTE FROM TOILETS MUST NOT BE PLUMBED THROUGH THE INTERCEPTOR.

NOTES
1. PIPING, CLEANOUT CONFIGURATION, SIZE AND TYPE OF PIPING MATERIAL AS PER CITY OR SANITARY DISTRICT. INSPECTION BY SVWRD PRIOR TO BACKFILLING IS REQUIRED.
2. WIDTH OF TROUGH IN THE MANHOLE MUST BE THE SAME SIZE AS THE INLET PIPE INTO MANHOLE. DEPTH OF TROUGH MUST BE THE SAME AS 1/2 OF INLET PIPE DIAMETER.
3. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
4. REINFORCEMENT STEEL SHALL BE ASTW A615 GRADE 60.
5. THE CONCRETE COVER OVER REINFORCEMENT STEEL SHALL BE A MINIMUM OF 1-1/2 INCHES.
6. THE STRUCTURE SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF UTAH.
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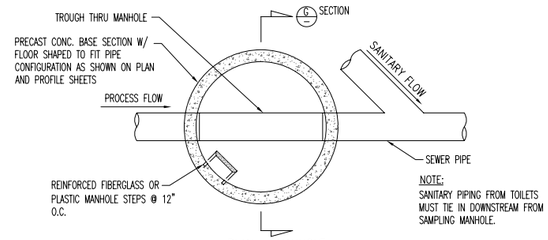
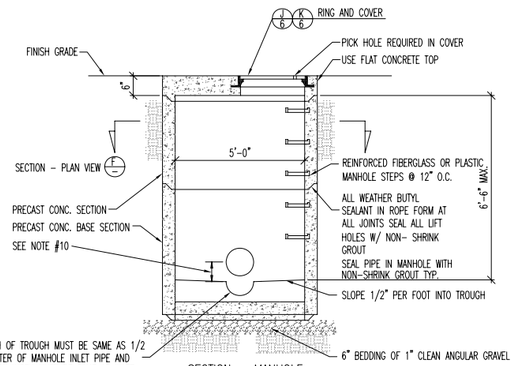
   B) TRUCK LOADING USING AN AASHTO H-20 TRUCK LOAD.
8. MANHOLES OVER 4 FEET IN DEPTH WILL HAVE STAINLESS OR PLASTIC STEPS.
9. ALL MANHOLES MUST HAVE ROUND NOTCHED COVERS WITH PICK HOLE FOR REMOVAL.
10. FOR NEW CONSTRUCTION, BOTTOM OF INLET PIPE INTO MANHOLE MUST BE AT LEAST 3 INCHES ABOVE THE BOTTOM OF THE TROUGH THRU THE MANHOLE.



PLAN - MANHOLE



SECTION - MANHOLE

SAMPLING MANHOLE BOX 3' TO 7' DEEP (A4)
SCALE: N.T.S.

AJC PROJECT # 0502

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ATE CENTER AT UTAH STATE PRISON

DRAPER, UTAH

SHEET NAME:
MISCELLANEOUS SITE DETAILS

REVISIONS

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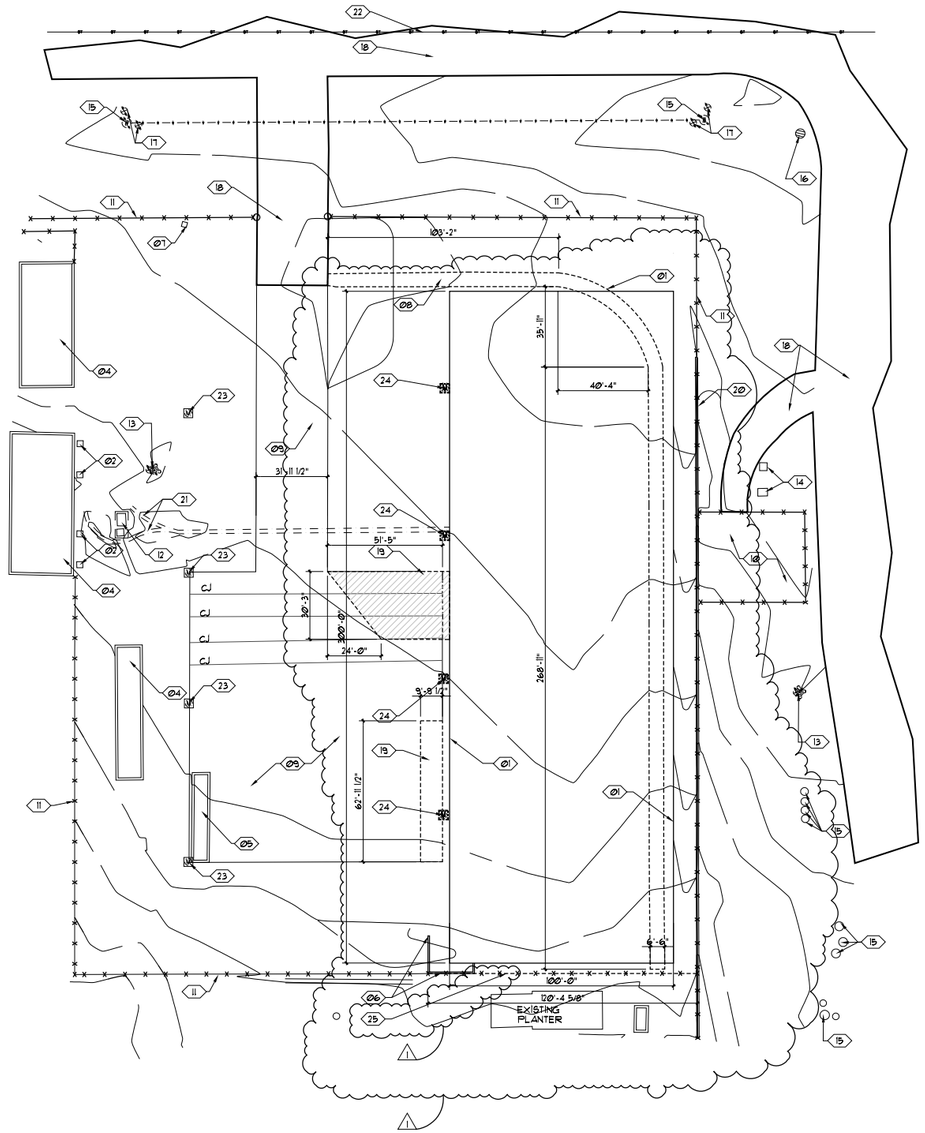

DEMOLITION SITE PLAN
SCALE: 1"=3Ø'-Ø"

A4 / AS101

NORTH PLAN NORTH

GENERAL NOTES AND LEGEND:

FOR SHEET AS1Ø1 ONLY.

- SEE SHEET G1Ø1 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- SITE PLAN ROTATED 18Ø DEGREES FROM CIVIL PLANS

EXISTING / DEMO KEYED NOTE LEGEND:

FOR SHEET AS1Ø1 ONLY.

Ø1 LOCATION OF NEW BUILDING PRE-ENGINEERED METAL BUILDING SHOWN FOR REFERENCE ONLY
Ø2 EXISTING AIR UNIT TO REMAIN - PROTECT.
Ø3 APPROXIMATE LOCATION OF EXISTING STEAM LINE - SEE CIVIL.
Ø4 EXISTING BUILDING TO REMAIN.
Ø5 EXISTING STORAGE CONTAINER TO REMAIN.
Ø6 LOCATION OF NEW RETAINING WALL SHOWN FOR REFERENCE ONLY.
Ø7 EXISTING TELEPHONE TERMINAL RISER TO REMAIN - SEE ELECTRICAL SITE PLAN ES1Ø1.
Ø8 EXISTING CONCRETE WALK TO BE REMOVED.
Ø9 EXISTING CONCRETE PAVING TO REMAIN - PROTECT.
1Ø EXISTING SEWAGE STATION TO REMAIN - PROTECT.
11 EXISTING FENCE TO REMAIN - PROTECT.
12 LOCATION OF EXISTING TRANSFORMER AND PAD - SEE ELECTRICAL SITE PLAN ES1Ø1.
13 EXISTING FIRE HYDRANT TO REMAIN - PROTECT.
14 EXISTING WATER LINE ACCESS COVER TO REMAIN - PROTECT.
15 EXISTING MAINTENANCE HOLE COVER TO REMAIN - PROTECT.
16 EXISTING SUMP TO REMAIN - PROTECT.
17 EXISTING BLOWOFF VALVE TO REMAIN - PROTECT.
18 EXISTING ASPHALT PAVING TO REMAIN - PROTECT.
19 SAWCUT AND REMOVE EXISTING CONCRETE SLAB ON GRADE SHOWN DASHED.
2Ø EXISTING LOW WALL TO REMAIN - PROTECT.
21 EXISTING OPEN TRENCH.
22 EXISTING STEAM LINE.
23 ELECTRICAL METER TO REMAIN.
24 ELECTRICAL METER TO BE REMOVED / REINSTALLED - SEE ELECTRICAL DRAWINGS.
25 PORTION OF EXISTING SITE FENCING TO BE REMOVED.

1 NOTE: EXISTING CONTOURS SHOWN FOR REFERENCE ONLY. SEE GRADING PLAN SHEET C2Ø1 AND UTILITY PLAN SHEET C4Ø1.

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DRAPER, UTAH

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DEMOLITION SITE PLAN

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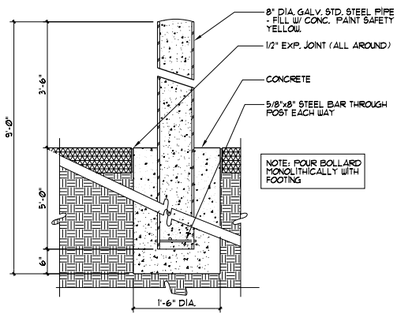
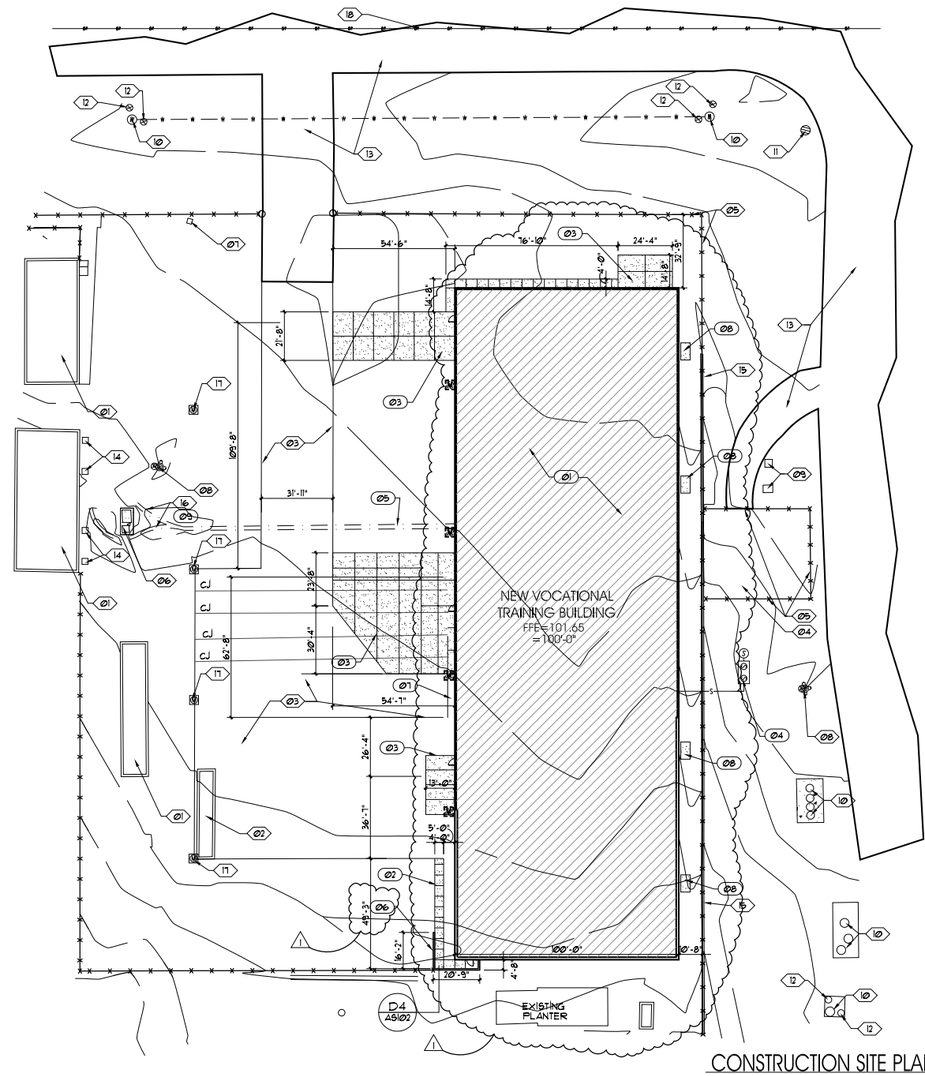


BOLLARD DETAIL (D3 / AS102)
SCALE: 1" = 1'-0"



CONSTRUCTION SITE PLAN (A4 / AS102)
SCALE: 1"=30'-0"

NORTH PLAN NORTH

GENERAL NOTES AND LEGEND:
*FOR SHEET AS101 ONLY.

- SEE SHEET G1 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- SEE SHEETS AE101 AND AE103 FOR LOCATIONS OF DOWNSPOUTS AND SPLASH BLOCKS

EXISTING / DEMO KEYED NOTE LEGEND:
*FOR SHEET AS101 ONLY.

- 01 EXISTING BUILDING TO REMAIN.
- 02 EXISTING STORAGE CONTAINER TO REMAIN.
- 03 EXISTING CONCRETE PAVING TO REMAIN - PROTECT.
- 04 EXISTING SEWAGE STATION TO REMAIN - PROTECT.
- 05 EXISTING FENCE TO REMAIN - PROTECT.
- 06 LOCATION OF EXISTING TRANSFORMER AND PAD- SEE ELECTRICAL SITE PLAN SHEET ES101.
- 07 EXISTING TELEPHONE TERMINAL RISER TO REMAIN - SEE ELECTRICAL SITE PLAN ES101.
- 08 EXISTING FIRE HYDRANT TO REMAIN - PROTECT.
- 09 EXISTING WATER LINE ACCESS COVER TO REMAIN - PROTECT.
- 10 EXISTING MAINTENANCE HOLE COVER TO REMAIN - PROTECT.
- 11 EXISTING SUMP TO REMAIN - PROTECT.
- 12 EXISTING BLOWOFF VALVE TO REMAIN - PROTECT.
- 13 EXISTING ASPHALT PAVING TO REMAIN - PROTECT.
- 14 EXISTING AIR UNIT TO REMAIN - PROTECT.
- 15 EXISTING LOW WALL TO REMAIN - PROTECT.
- 16 EXISTING OPEN TRENCH.
- 17 EXISTING ELECTRICAL METER TO REMAIN - PROTECT
- 18 EXISTING STEAM LINE

KEYED NOTE LEGEND:
*FOR SHEET AS101 ONLY.

- 01 PRE ENGINEERED METAL BUILDING - SEE SHEET AE101 FOR FLOOR PLAN.
- 02 4" CONCRETE WALK OVER 4" FREE DRAINING GRAVEL - SEE CIVIL.
- 03 6" CONCRETE APRON - SEE CIVIL.
- 04 GREASE / OIL SEPARATOR - SEE CIVIL.
- 05 LINE OF UNDERGROUND CONDUITS - SEE ELECTRICAL DRAWINGS.
- 06 NEW REINFORCED CMU RETAINING WALL.
- 07 NEW GRAVEL INFILL - SEE CIVIL DRAWINGS.
- 08 EVAP COOLER PADS, SEE MECH. PLANS.
- 09 INFILL UNUSED PORTIONS OF EXISTING OPEN TRENCH. COORDINATE WITH UTILITY TRENCHING INFILL REQUIREMENTS FOR ALL USED PORTIONS OF TRENCH.

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PROJECT DESCRIPTION

ATE CENTER AT UTAH STATE PRISON

DRAPER, UTAH

SHEET NAME:

CONSTRUCTION SITE PLAN

REVISIONS

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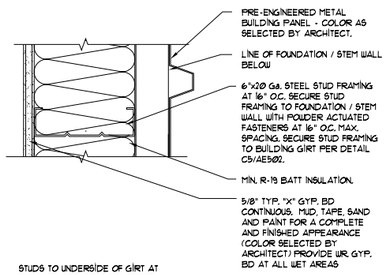
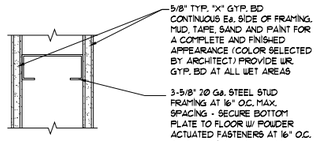


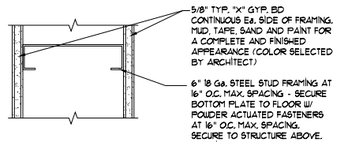
STUDS TO UNDERSIDE OF GIRT AT 7'-6" AFF. GYP. BD. TO 8'-0" AFF.

WALL TYPE 3 (C2 / AE101)
SCALE: 3"=1'-0"



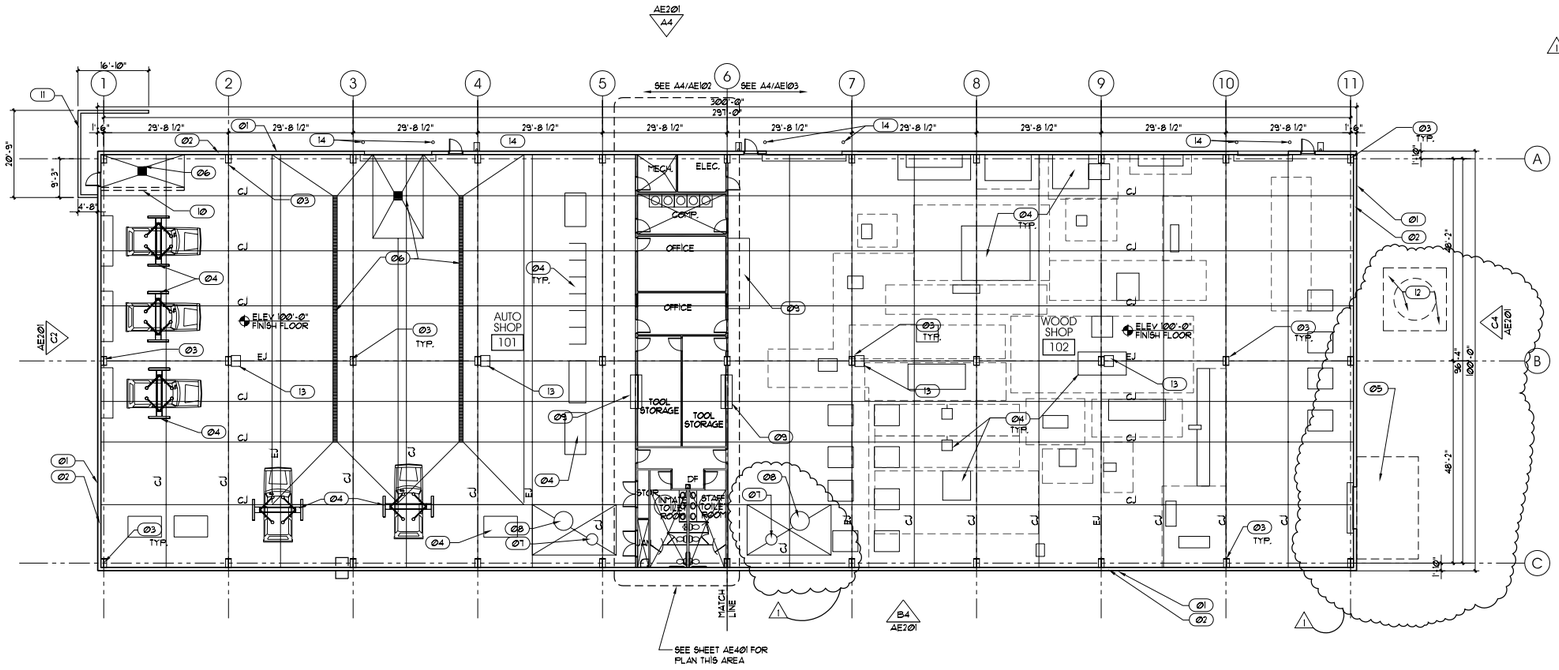
STUDS TO 6" ABOVE CEILING

WALL TYPE 2 (C3 / AE101)
SCALE: 3"=1'-0"



STUDS FULL HEIGHT TO BOTTOM OF STRUCTURE

WALL TYPE 1 (C4 / AE101)
SCALE: 3"=1'-0"



OVERALL FLOOR PLAN (A4 / AE101)
SCALE: 1/16"=1'-0"

PLAN NORTH

GENERAL NOTES AND LEGEND:

*FOR SHEET AE101 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES AND ALTERNATES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- SEE SHEETS AE102 AND AE103 FOR DOOR DESIGNATIONS
- NOTE FLOOR PLAN ROTATED 90 DEGREES FROM SITE PLAN
- SEE ENLARGED PLANS FOR DIMENSIONS NOT SHOWN ON THIS OVERALL FLOOR PLAN.
- SEE ENLARGED PLANS FOR BUILDING SECTION MARKS.
- SEE ENLARGED PLAN A4/AE102 FOR ELEVATIONS AT DRAINS AND SLAB SLOPE.
- ARCHITECTURAL FINISH FLOOR ELEVATION 100'-0" = 101.65' SITE ELEVATION
- SEE ENLARGED PLANS A4/AE102, A4/AE103 AND B4/AE401 FOR WALL TYPE MARKED.

KEYED NOTE LEGEND:

*FOR SHEETAE101 ONLY.

01 PRE-ENGINEERED METAL BUILDING WALL PANEL(COLOR SELECTED BY ARCHITECT).
02 8" PRE-ENGINEERED METAL BUILDING GIRT-PAINT (COLOR SELECTED BY ARCHITECT).
03 PRE-ENGINEERED METAL BUILDING COLUMN - PAINT (COLOR SELECTED BY ARCHITECT).
04 EQUIPMENT TO BE PROVIDED AND INSTALLED BY OWNER (NIC) - CLEARANCES SHOWN FOR REFERENCE ONLY.
05 LINE OF PREFABRICATED PAINT BOOTH TO BE PROVIDED AND INSTALLED BY OWNER (NIC). PAINT BOOTH TO BE FULLY SPRINKLERED.
06 FLOOR / TRENCH DRAIN - SEE PLUMBING DRAWINGS FOR ROUGH IN.
07 EYE WASH STATION - SEE PLUMBING DRAWINGS FOR ROUGH IN.
08 GANG WASH SINK - SEE PLUMBING DRAWINGS FOR ROUGH IN.
09 MILLWORK - NIC.
10 8" MASONRY PARTITION WALL (NIC).
11 RETAINING WALL - SEE CIVIL DRAWINGS AND ARCHITECTURAL CONSTRUCTION SITE PLAN A5102.
12 DUST COLLECTION SYSTEM PROVIDED AND INSTALLED BY OWNER - CONTRACTOR TO COORDINATE ALL REQUIRED PENETRATIONS THROUGH SLAB AND FOUNDATION WALL WITH OWNER PRIOR TO POURING FOOTINGS, FOUNDATION WALLS AND SLAB.
13 FIRE EXTINGUISHER - G.C. TO COORDINATE EXACT LOCATION OFFICIAL HAVING JURISDICTION.
14 BOLLARD - SEE SHEETS AE102 AND AE103. SEE DETAIL D3/A5102.

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ATE CENTER AT UTAH STATE PRISON

DRAPER, UTAH

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OVERALL FLOOR PLAN

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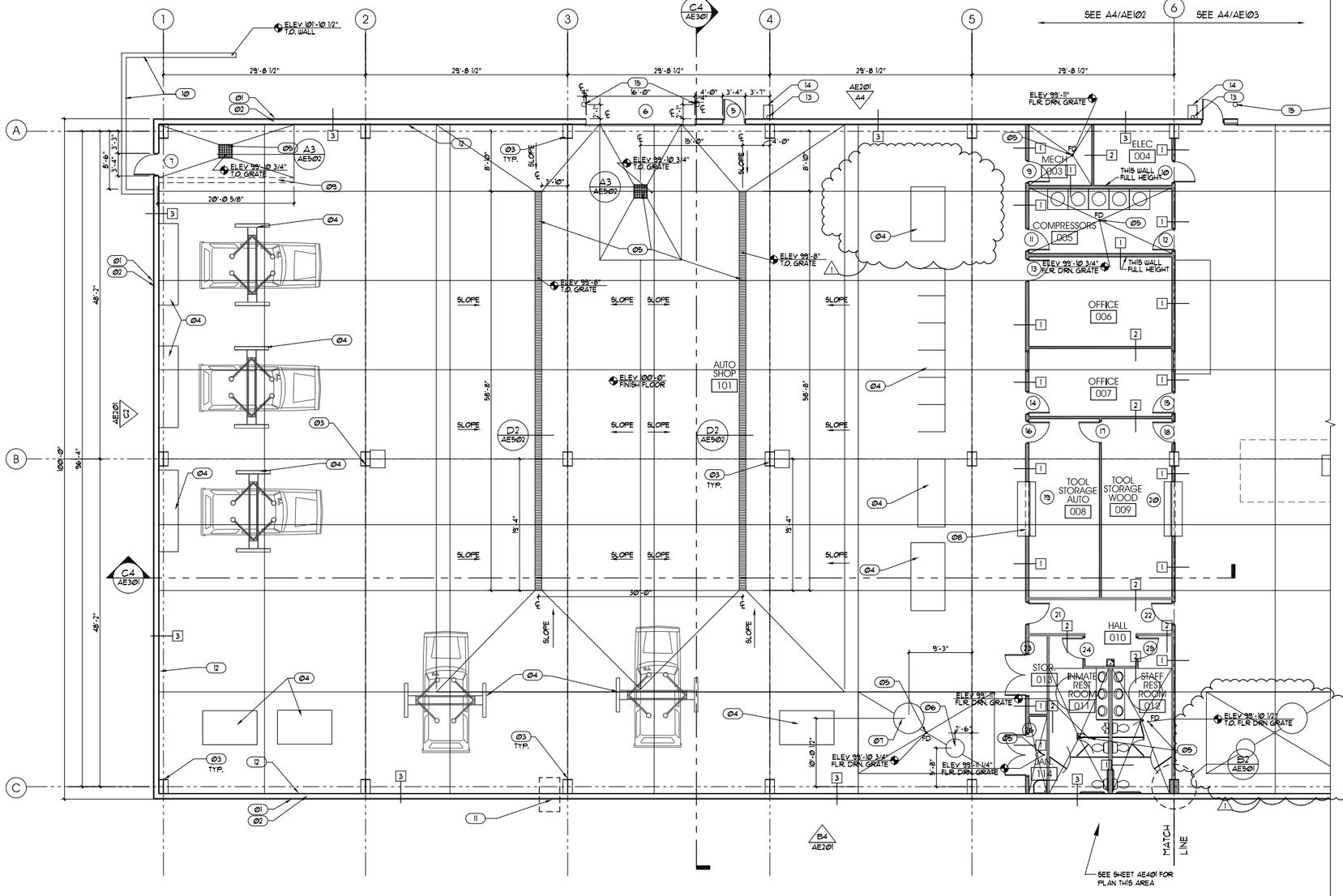

ENLARGED FLOOR PLAN - AUTO SHOP

SCALE: 1/8"=1'-0"

A4 / AE102 — PLAN NORTH

GENERAL NOTES AND LEGEND:

*FOR SHEET AE102 ONLY.

- SEE SHEET GJ FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- NOTE FLOOR PLAN ROTATED 90 DEGREES FROM SITE PLAN
- SEE SHEET AE601 FOR DOOR SCHEDULES
- GENERAL CONTRACTOR TO PROVIDE FIRE EXTINGUISHERS AND CABINETS PER GOVERNING AUTHORITY

KEYED NOTE LEGEND:

*FOR SHEET AE102 ONLY.

01	PRE-ENGINEERED METAL BUILDING WALL PANEL(COLOR SELECTED BY ARCHITECT.).
02	8" PRE-ENGINEERED METAL BUILDING GIRT-PAINT (COLOR SELECTED BY ARCHITECT.).
03	PRE-ENGINEERED METAL BUILDING COLUMN - PAINT (COLOR SELECTED BY ARCHITECT.) SEE STRUCTURAL.
04	EQUIPMENT TO BE PROVIDED AND INSTALLED BY OWNER (NIC.).
05	FLOOR / AREA / TRENCH DRAIN - SEE PLUMBING DRAWINGS FOR ROUGH IN.
06	EYE WASH STATION - SEE PLUMBING DRAWINGS FOR ROUGH IN. STUB-UP WATER LINE FROM BELOW SLAB.
07	GANG WASH SINK - SEE PLUMBING DRAWINGS FOR ROUGH IN. STUB-UP WATER LINE FROM BELOW SLAB.
08	MILLWORK - NIC.
09	8" MASONRY PARTITION WALL (NIC.).
10	RETAINING WALL - SEE CIVIL DRAWINGS AND ARCHITECTURAL CONSTRUCTION SITE PLAN A5102.
11	APPROXIMATE LOCATION OF EXHAUST FAN - BY OWNER.
12	LINE OF 5/8" TYP. "X" GYP. BD CONTINUOUS AROUND INTERIOR OF BUILDING TO 8'-0" AFF. PROVIDE 6" 20 Ga. STEEL STUD FRAMING AT 16" O.C. MAX. SPACING TO 8'-0" AFF.
13	PRE-FINISHED METAL DOWN SPOUT BY PRE-ENGINEERED METAL BUILDING MANUFACTURER. COLOR SELECTED BY ARCHITECT.
14	PRECAST CONCRETE SPLASH BLOCK (16"x24").
15	8" DIAM. CONCRETE FILLED BOLLARD - PAINT SAFETY YELLOW SEE DETAIL D3/A5102.

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PROJECT DESCRIPTION

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SHEET NAME:

ENLARGED FLOOR PLAN AUTO SHOP

REVISIONS

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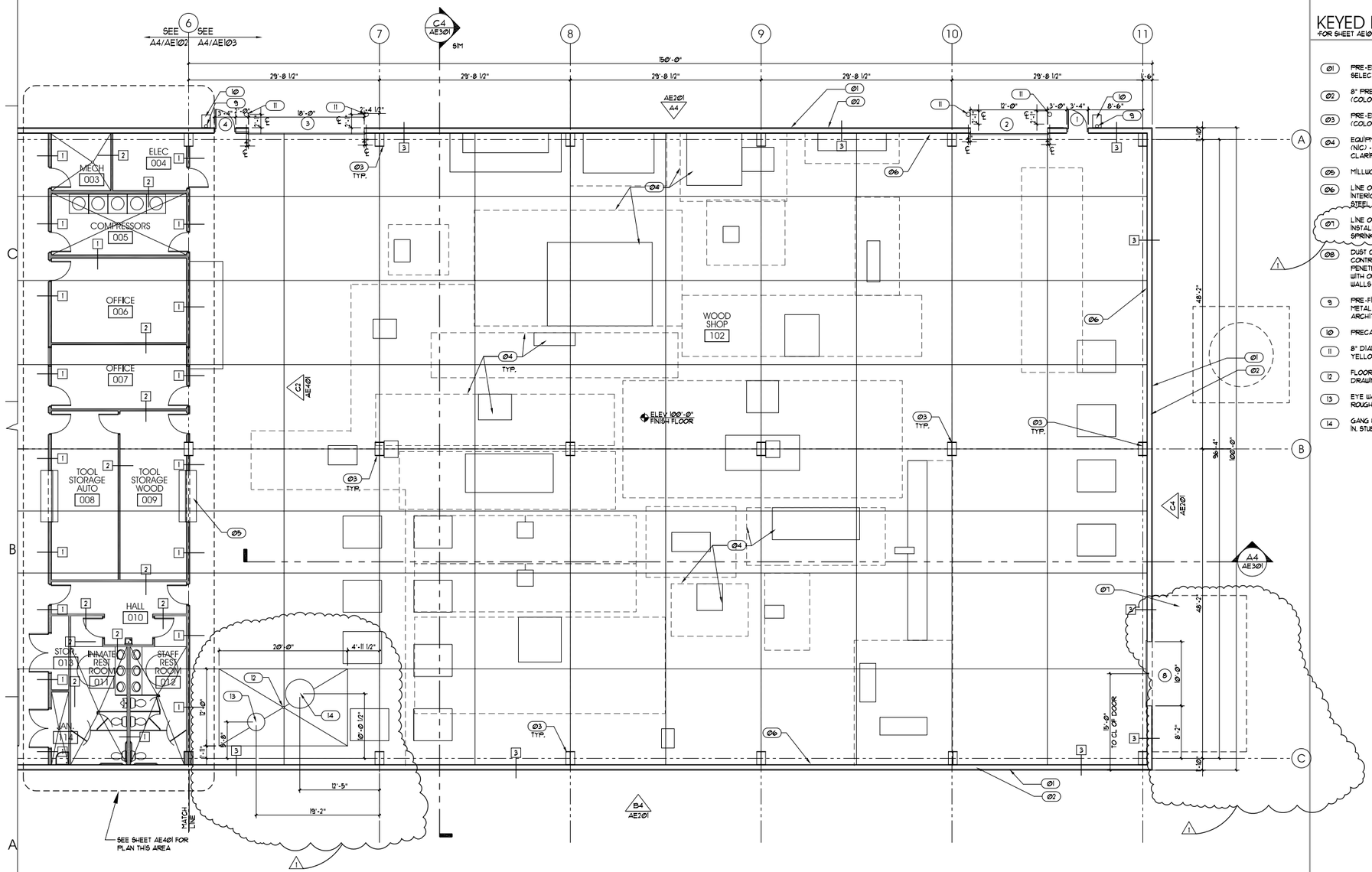

ENLARGED FLOOR PLAN - WOOD SHOP
SCALE: 1/8"=1'-0"

A4 / AE103 — PLAN NORTH

GENERAL NOTES AND LEGEND:

*FOR SHEET AE103 ONLY.

- SEE SHEET G1001 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- NOTE FLOOR PLAN ROTATED 90 DEGREES FROM SITE PLAN
- SEE SHEET AE601 FOR DOOR SCHEDULE.

KEYED NOTE LEGEND:

*FOR SHEET AE103 ONLY.

Ø1 PRE-ENGINEERED METAL BUILDING WALL PANEL/COLOR SELECTED BY ARCHITECT.

Ø2 8" PRE-ENGINEERED BUILDING METAL GIRT-PAINT (COLOR SELECTED BY ARCHITECT.

Ø3 PRE-ENGINEERED METAL BUILDING COLUMN - PAINT (COLOR SELECTED BY ARCHITECT. SEE STRUCTURAL.

Ø4 EQUIPMENT TO BE PROVIDED AND INSTALLED BY OWNER (NIC) - CLEARANCES SHOWN DASHED ARE FOR CLARIFICATION ONLY.

Ø5 MILLWORK - NIC.

Ø6 LINE OF 5/8" TYP. "X" GYP. BD CONTINUOUS AROUND INTERIOR OF BUILDING TO 8'-Ø" AFF. PROVIDE 6" 20 Ga. STEEL STUD FRAMING AT 16" O.C. MAX. SPACING.

Ø7 LINE OF PREFABRICATED PAINT BOOTH PROVIDED AND INSTALLED BY OWNER (NIC.) PAINT BOOTH TO BE FULLY SPRINKLERED.

Ø8 DUST COLLECTION SYSTEM AND PAD BY OWNER - CONTRACTOR TO COORDINATE ALL REQUIRED PENETRATIONS THROUGH SLAB AND FOUNDATION WALL WITH OWNER PRIOR TO POURING FOOTINGS, FOUNDATION WALLS AND SLAB.

9 PRE-FINISHED METAL DOWN SPOUT BY PRE-ENGINEERED METAL BUILDING MANUFACTURER, COLOR SELECTED BY ARCHITECT.

10 PRECAST CONCRETE SPLASH BLOCK (16"x24")

11 8" DIAM. CONCRETE FILLED BOLLARD - PAINT SAFETY YELLOW SEE DETAIL D3/A5102.

12 FLOOR / AREA / TRENCH DRAIN - SEE PLUMBING DRAWINGS FOR ROUGH IN.

13 EYE WASH STATION - SEE PLUMBING DRAWINGS FOR ROUGH IN. STUB-UP WATER LINE FROM BELOW SLAB.

14 GANG WASH SINK - SEE PLUMBING DRAWINGS FOR ROUGH IN. STUB-UP WATER LINE FROM BELOW SLAB.

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PROJECT DESCRIPTION

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DRAPER, UTAH

SHEET NAME:

ENLARGED FLOOR PLAN WOOD SHOP

REVISIONS

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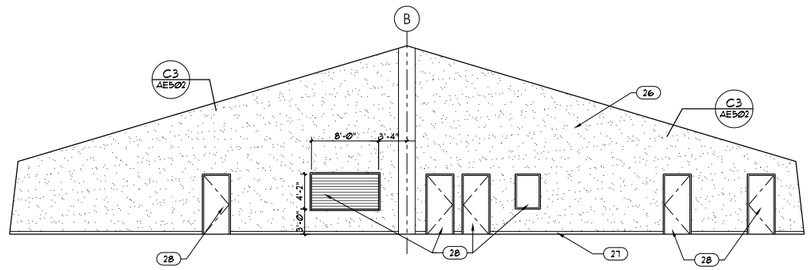
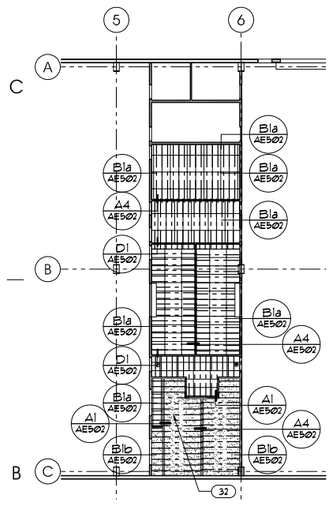
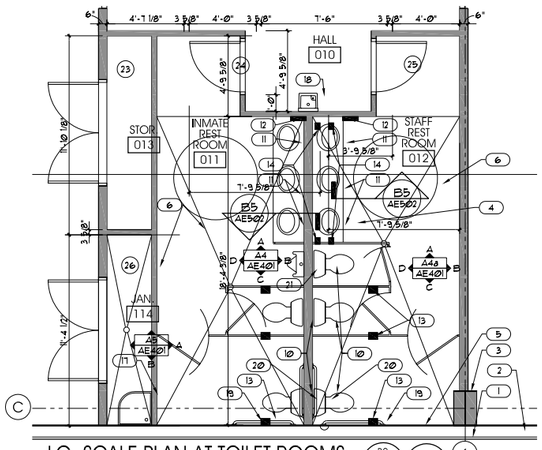


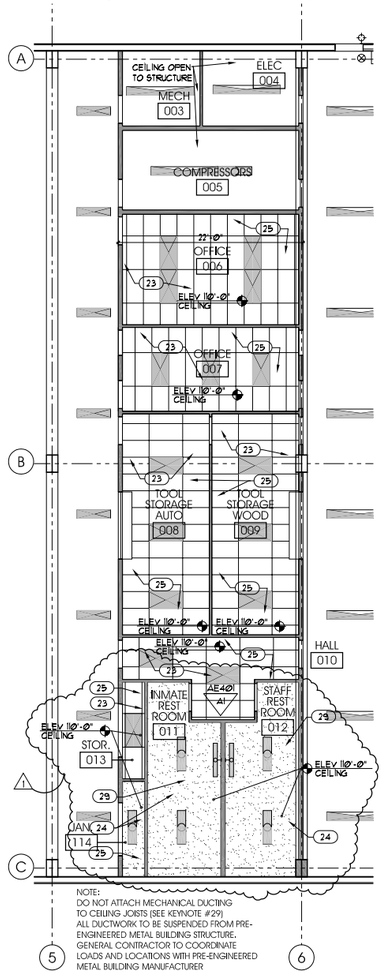
INTERIOR ELEVATION AT WOOD SHOP (C2 / AE401)
SCALE: 1/8"=1'-0"



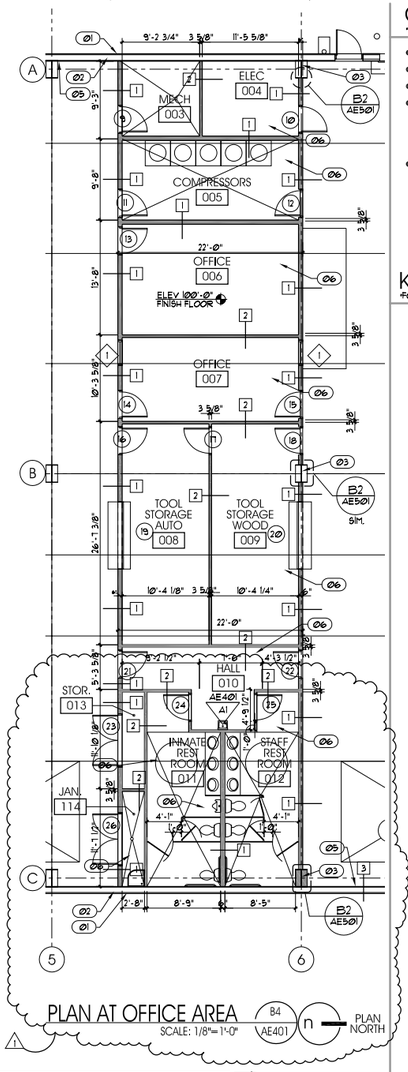
CEILING FRAMING PLAN (B1 / AE401)
SCALE: 1/16"=1'-0"



LG. SCALE PLAN AT TOILET ROOMS (B2 / AE401 / 6 PLAN NORTH)
SCALE: 1/4"=1'-0"



OFFICE AREA REFLECTED CEILING PLAN (B3 / AE401 / PLAN NORTH)
SCALE: 1/8"=1'-0"



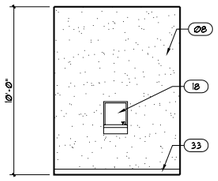
PLAN AT OFFICE AREA (B4 / AE401 / PLAN NORTH)
SCALE: 1/8"=1'-0"

GENERAL NOTES AND LEGEND:
*FOR SHEET AE401 ONLY.

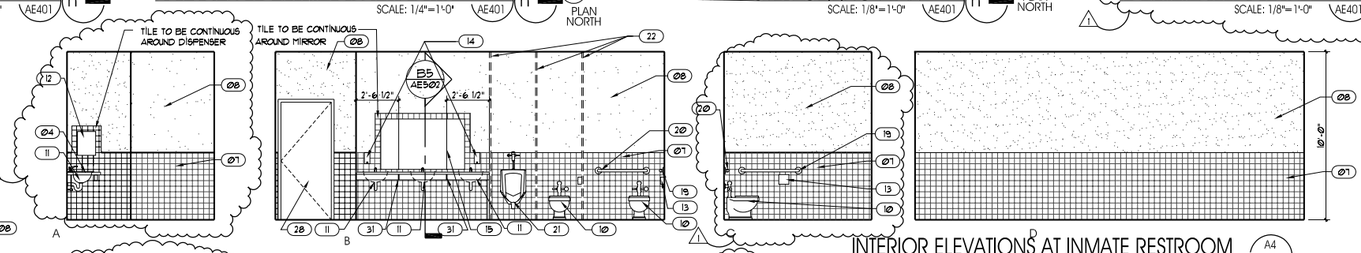
- SEE SHEET G1 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- SEE LIST OF ALTERNATES SHEET G1@02 FOR BUILD OUT AND FINISHING CENTRAL OFFICE AREA

KEYED NOTE LEGEND:
*FOR SHEET AE401 ONLY.

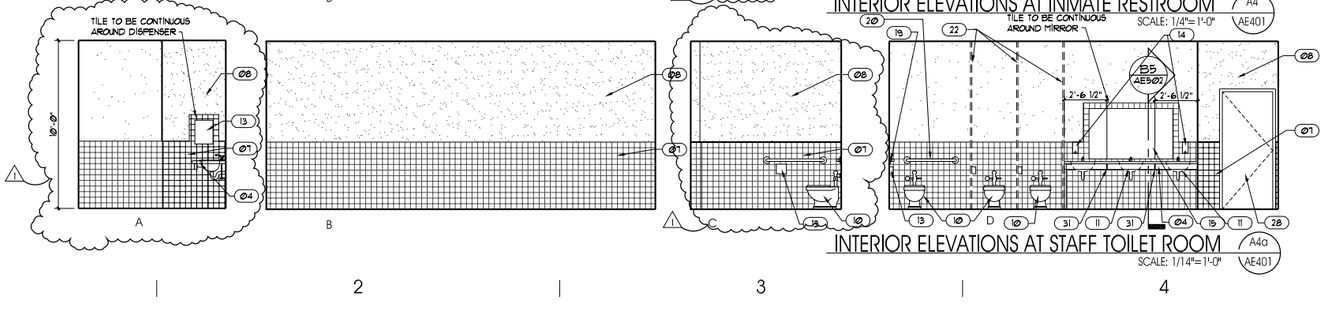
Ø1 PRE-ENGINEERED METAL BUILDING WALL PANEL/COLOR SELECTED BY ARCHITECT.
Ø2 8" PRE-ENGINEERED BUILDING METAL GIRT-PAINT (COLOR SELECTED BY ARCHITECT.
Ø3 PRE-ENGINEERED METAL BUILDING COLUMN - PAINT (COLOR SELECTED BY ARCHITECT.) SEE STRUCTURAL.
Ø4 PLASTIC LAMINATE COUNTER - SEE SECTION INDICATED.
Ø5 LINE OF 5/8" TYP. "X" GYP. BD. CONTINUOUS AROUND INTERIOR OF BUILDING TO 8'-Ø" AFF. PROVIDE 6" 20 Ga. STEEL STUD FRAMING AT 16" OC. MAX. SPACING.
Ø6 SEALED CONCRETE FLOOR - SEE FINISH SCHEDULE SHEET AE6Ø1.
Ø7 CERAMIC TILE WAINSCOT SEE FINISH SCHEDULE SHEET AE6Ø1. PROVIDE BULLNOSE EDGE - TYPICAL
Ø8 EPOXY PAINT OVER 5/8" TYP. "X" WR GYP. BD. FULL HEIGHT IN WET AREAS.
9 GYP. BD. PAINTED - SEE FINISH SHEET AE6Ø1
10 FLOOR MOUNTED WATER CLOSET - SEE PLUMBING DRAWINGS.
11 LAV - SEE PLUMBING DRAWINGS.
12 PAPER TOWELL DISPENSER - BOBRICK B-359 OR EQUAL.
13 TOILET PAPER DISPENSER - BOBRICK B-2888 OR EQUAL.
14 SOAP DISPENSER - BOBRICK B-211 OR EQUAL.
15 MIRROR - BOBRICK B-165 6036 OR EQUAL.
16 MOP RACK - BOBRICK B-239 OR EQUAL.
17 JANATOR SINK - SEE PLUMBING DRAWINGS.
18 WATER COOLER - SEE PLUMBING DRAWINGS.
19 42" GRAB BAR - BOBRICK B-6806x42" OR EQUAL.
20 36" GRAB BAR - BOBRICK B-6806x36" OR EQUAL.
21 ACCESSIBLE URINAL - SEE PLUMBING DRAWINGS.
22 SOLID PHENOLIC TOILET PARTITION COLOR SELECTED BY ARCHITECT
23 ACOUSTIC PANEL LAY IN CEILING WITH METAL GRID.
24 GYP. BD. CEILING - SECURE TO UNDERSIDE OF CEILING JOISTS.
25 PROVIDE 6" x 18Ga. STEEL STUD CEILING JOISTS AT 16" O.C. THIS AREA - BRACE PARTITION WALLS TO JOISTS PER DETAILS INDICATED. SUSPEND ACOUSTIC TILE CEILING SYSTEM AND LIGHTING FROM JOISTS.
26 5/8" TYP. "X" GYP. BD. PAINTED COLOR SELECTED BY ARCHITECT
27 RUBBER BASE - COLOR SELECTED BY ARCHITECT
28 DOOR / WINDOW - SEE PLANS AND DOOR / WINDOW SCHEDULE SHEET AE6Ø1
29 PROVIDE 3 5/8" 18Ga. STEEL STUD CEILING JOISTS AT 16" O.C. THIS AREA. SECURE CEILING TO JOISTS AT 16" O.C. Ea. WAY.
30 FRP PANEL WAINSCOT - COLOR WHITE.
31 LINE OF BRACE BEYOND - SEE SECTION INDICATED.
32 LOCATION OF WATER HEATER - PROVIDE 3/4" CDX OVER STEEL JOISTS AS PLATFORM - SEE PLUMBING DRAWINGS.
33 4" RUBBER BASE



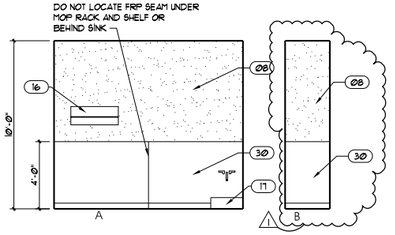
INTERIOR ELVATION (A1 / AE401)
SCALE: 1/14"=1'-0"



INTERIOR ELEVATIONS AT INMATE RESTROOM (A4 / AE401)
SCALE: 1/4"=1'-0"



INTERIOR ELEVATIONS AT STAFF TOILET ROOM (A4a / AE401)
SCALE: 1/14"=1'-0"



INTERIOR ELEVATIONS AT JAN. CLOSET (A5 / AE401)
SCALE: 1/14"=1'-0"

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Internet: http://www.dfcm.utah.gov

PROJECT DESCRIPTION
ATE CENTER AT UTAH STATE PRISON
DRAPER, UTAH

SHEET NAME:
OFFICE AREA PLANS, INTERIOR ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION
1	5/3/05	RESPONSE TO PLAN REVIEW

ISSUE DATA

ISSUE DATE:	APRIL 18, 2005
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SHEET NUMBER:
AE401
SHEET 23 OF 44 TOTAL PAGES

ROOM FINISH NOTES:

1- PROVIDE FRP PANELS TO HEIGHT OF 4'-Ø" AFF. AT WET WALLS AND AS SHOWN ON INTERIOR ELEVATIONS (EXCEPT AT TOILET ROOMS).

2- CERAMIC WALL TILE (CTW) SHALL BE TO 4'-8" AFF. PAINT WALL FROM TOP OF TILE TO CEILING W/ EPOXY PAINT.

3- PROVIDE CEMENTITIOUS BACKER BOARD @ ALL CERAMIC TILE & FRP AREAS.

4- ALL RESTROOMS TO RECEIVE EPOXY PAINT.

5- ALL COLORS TO BE SELECTED BY ARCHITECT.

6- ALL FLOOR TILE TO BE SLIP RESISTANT.

SIGN NOTES:

@ ALL SIGNAGE SHALL MEET ANSI REQUIREMENTS, INCLUDING (BUT NOT LIMITED TO):

A- CHARACTERS MUST CONTRAST FROM BACKGROUND BY AT LEAST 70%.

B- BRAILLE CHARACTERS MUST MEET STANDARD DIMENSIONS ACCORDING TO ADAAG A43Ø.4, GRADE 2 BRAILLE.

C- CHARACTERS AND BACKGROUND SHALL BE NON-GLARE.

D- SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR INCLUDING DOUBLE LEAF DOORS. IN THE EVENT THIS IS NOT POSSIBLE IN CERTAIN CONDITIONS, NOTIFY ARCHITECT AND WAIT FOR INSTRUCTIONS.

E- SUPPLY ONE SIGN FOR EACH RESTROOM DOOR MINIMUM.

F- SUBMIT SAMPLE, COLOR & LAYOUT OPTIONS AND SIGN SCHEDULE FOR REVIEW AND APPROVAL

INTERIOR FINISH LEGEND

SYMBOL	FINISH	NOTE
	FLOOR	
EC	EXPOSED CONCRETE, SEALED	SEE SPEC.
	BASE	
RB	4" RUBBER BASE	ROPPE P-1ØØ BLACK OR EQUAL
CTB	CERAMIC TILE BASE -1, (4"x4") W/ SANITARY COVE	DAL TILE ØIØØ WHITE OR EQUAL
	WALLS	
EXP	EXPOSED STRUCTURE PAINTED WITH VINYL FACE BATT INSULATION	-
GP1	GYPSUM BOARD, PAINTED	-
CTW	CERAMIC WALL TILE -1, (4"x4") TILE WAINSCOT TO BE 4'-8" A.F.F. WITH GP-1 EPOXY PAINT ABOVE TILE.	-
FRP	FRP PANELS TO 48" AFF W/ EPOXY PAINT ABOVE.	
	CEILINGS	
		-
EXP	EXPOSED STRUCTURE, PAINTED WITH VINYL FACE BATT INSULATION	SEE SPEC.
ATI	ACOUSTICAL PANEL-1, LAY-IN, (2'x4')	SEE SPEC.
GC1	GYPSUM BOARD, PAINTED -1	

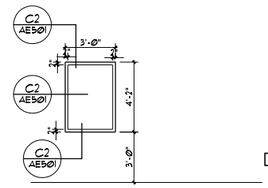
ROOM FINISH SCHEDULE

RM NO.	ROOM NAME	BASE: RUBBER-1 (RB)	BASE: CERAMIC TILE BASE-SANITARY (CTB)	FLOORING: SEALED CONCRETE (CP)	WALL NORTH: GYP. BD PAINT-1 (GP1)	WALL NORTH: EXPOSED STRUCTURE PAINT (EXP)	WALL NORTH: CMT.-1 (CMT)	WALL NORTH: FRP PANELS TO 48" AFF (FRP)	WALL EAST: GYP. BD PAINT-1 (GP1)	WALL EAST: GYP. BD PAINT-2 (GP2)	WALL EAST: CMT.-1 (CMT)	WALL EAST: FRP PANELS TO 48" AFF (FRP)	WALL SOUTH: GYP. BD PAINT-1 (GP1)	WALL SOUTH: GYP. BD PAINT-2 (GP2)	WALL SOUTH: CMT.-1 (CMT)	WALL SOUTH: FRP PANELS TO 48" AFF (FRP)	WALL WEST: GYP. BD PAINT-1 (GP1)	WALL WEST: GYP. BD PAINT-2 (GP2)	WALL WEST: CMT.-1 (CMT)	WALL WEST: FRP PANELS TO 48" AFF (FRP)	CEILING: ACOUSTICAL PANEL (ATI)	CEILING: GYP. BD PAINT-2 (GC1)	CEILING: EXPOSED TO STRUCTURE PAINT (EXP)	NOTES
	MAIN LEVEL																							
ØØ1	AUTO SHOP	●		●	●	●			●	●			●	●			●	●					●	
ØØ2	WOOD SHOP	●		●	●	●			●	●			●	●			●	●					●	
ØØ3	MECHANICAL ROOM	●		●	●				●				●				●						●	
ØØ4	ELECTRICAL ROOM	●		●	●				●				●				●						●	
ØØ5	COMPRESSOR ROOM	●		●	●				●				●				●						●	
ØØ6	OFFICE	●		●	●				●				●				●				●			
ØØ7	OFFICE	●		●	●				●				●				●				●			
ØØ8	TOOL STORAGE AUTO	●		●	●				●				●				●					●		
ØØ9	TOOL STORAGE WOOD	●		●	●				●				●				●					●		
Ø1Ø	HALL	●		●	●				●				●				●					●		
Ø11	INMATE REST ROOM		●	●	●		●		●		●		●		●		●		●			●		
Ø12	STAFF REST ROOM		●	●	●		●		●		●		●		●		●		●			●		
Ø13	STORAGE	●		●	●				●				●				●					●		
Ø14	JANITOR CLOSET	●		●	●			●	●			●	●				●						●	RUBBER BASE ALL WALLS EPOXY PAINT ALL WALLS

DOOR SCHEDULE

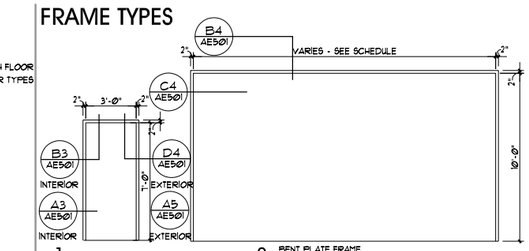
DOOR NO.	DOOR SIZE	FIRE RATING (MIN)	DOOR: TYPE	DOOR: MATERIAL	DOOR: FINISH	FRAME: TYPE	FRAME: FINISH	SEE DOOR TYPES FOR TYPICAL DETAILS, SEE BELOW FOR NON-TYP. DETAILS: HEAD	JAMB	JAMB	THRESHOLD	HARDWARE	DOOR NOTES
	MAIN LEVEL												
1	3'-Ø" x 7'-Ø"	-	A	MTL	PT	1	PT	-	-	-	-	1	
2	12'-Ø"x1Ø'-Ø"	-	B	MTL	PT	2	PT	-	-	-	-	8	
3	18'-Ø"x1Ø'-Ø"	-	B	MTL	PT	2	PT	-	-	-	-	8	
4	3'-Ø" x 7'-Ø"	-	A	MTL	PT	1	PT	-	-	-	-	1	
5	3'-Ø" x 7'-Ø"	-	A	MTL	PT	1	PT	-	-	-	-	1	
6	16'-Ø"x1Ø'-Ø"	-	B	MTL	PT	2	PT	-	-	-	-	8	
7	3'-Ø" x 7'-Ø"	-	A	MTL	PT	1	PT	-	-	-	-	1	
8	1Ø'-Ø"x1Ø'-Ø"	-	B	MTL	PT	2	PT	-	-	-	-	8	PULL CHAIN OPERATED
9	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	C5/AE5Ø1	6	
1Ø	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	6	
11	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	C5/AE5Ø1	6	
12	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	C5/AE5Ø1	6	
13	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	3	
14	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	3	
15	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	3	
16	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	4	
17	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	5	
18	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	4	
19	8'-Ø" x 4'-2"	-	D	MTL	PT	3	PT	-	-	-	-	8	
2Ø	8'-Ø" x 4'-2"	-	D	MTL	PT	3	PT	-	-	-	-	8	
21	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	4	
22	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	-	4	
23	(2) 3'-Ø" x 7'-Ø"	-	C	MTL	PT	1	PT	-	-	-	C5/AE5Ø1	9	
24	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	C5/AE5Ø1	2	
25	3'-Ø" x 7'-Ø"	-	C	WD	PT	1	PT	-	-	-	C5/AE5Ø1	2	
26	(2) 3'-Ø" x 7'-Ø"	-	C	MTL	PT	1	PT	-	-	-	C5/AE5Ø1	9	

WINDOW SCHEDULE



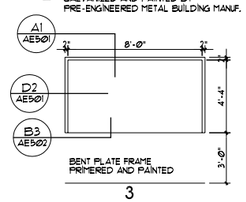
HOLLOW METAL FRAME -PRIMERED AND PAINTED
1/4" TEMPERED GLAZING CLEAR

FRAME TYPES



1 HOLLOW METAL FRAME GALVANIZED AND PAINTED AT EXTERIOR DOORS PRIMERED AND PAINTED AT INTERIOR DOORS

2 BENT PLATE FRAME GALVANIZED AND PAINTED BY PRE-ENGINEERED METAL BUILDING MANUF.

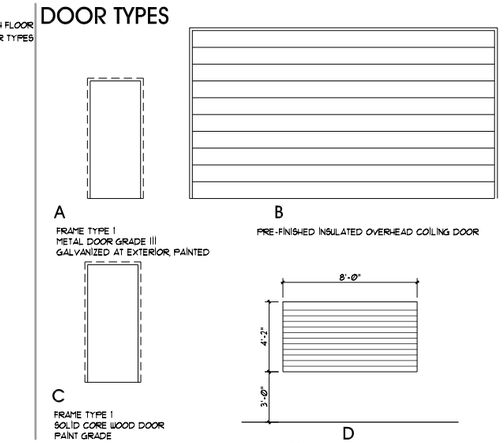


BENT PLATE FRAME PRIMERED AND PAINTED

3

DOOR TYPES

FINISH FLOOR DOOR TYPES



A FRAME TYPE 1 METAL DOOR GRADE III GALVANIZED AT EXTERIOR, PAINTED

B PRE-FINISHED INSULATED OVERHEAD COILING DOOR

C FRAME TYPE 1 SOLID CORE WOOD DOOR PAINT GRADE

D PRE-FINISHED COUNTER DOOR

HARDWARE SCHEDULE CONT.

QTY	ITEM	MODEL	FINISH	MANUFACTURER
	GROUP 3			
3 EA.	HINGE	5BB1 4.5x4.5	63Ø	H.B. IVES
1 EA.	ENTRANCE LOCK	CL3351 NZD C6 598A2	626	CORBIN RUSSWIN
1 EA.	WALL STOP	WS 4Ø1	63Ø	H.B. IVES
3 EA	SILENCER	SR64	GRY	H.B. IVES
	GROUP 4			
3 EA.	HINGE	5BB1 4.5x4.5	652	H.B. IVES
1 EA.	CLASSROOM LOCK	CL3355 NZD C6 598A2	626	CORBIN RUSSWIN
1 EA.	CLOSER	P4Ø41	689	LCN
1 EA.	KICKPLATE	84ØØ 1Ø"x2" LDW	63Ø	H.B. IVES
1 EA.	WALL STOP	WS 4Ø1	63Ø	H.B. IVES
3 EA	SILENCER	SR64	GRY	H.B. IVES
	GROUP 5			
3 EA.	HINGE	5BB1 4.5x4.5	652	H.B. IVES
1 EA.	CLASSROOM LOCK	CL3355 NZD C6 598A2	626	CORBIN RUSSWIN
1 EA.	WALL STOP	WS 4Ø1	63Ø	H.B. IVES
3 EA	SILENCER	SR64	GRY	H.B. IVES
	GROUP 6			
3 EA.	HINGE	5BB1 4.5x4.5	652	H.B. IVES
1 EA.	STOREROOM LOCK	CL3351 NZD C6 598A2	626	CORBIN RUSSWIN
1 EA.	WALL STOP	WS 4Ø1	63Ø	H.B. IVES
3 EA	SILENCER	SR64	GRY	H.B. IVES
1 EA.	CLOSER	P4Ø41	689	LCN
	GROUP 7			
3 EA.	HINGE	5BB1 4.5x4.5	652	H.B. IVES
1 EA.	STOREROOM LOCK	CL3351 NZD C6 598A2	626	CORBIN RUSSWIN
1 EA.	WALL STOP	WS 4Ø1	63Ø	H.B. IVES
3 EA	SILENCER	SR64	GRY	H.B. IVES
	GROUP 8 (1)			
1 EA.	NOTE:	HARDWARE BY DOOR MANUFACTURER		
	GROUP 9			
6 EA.	HINGE	5BB1 4.5x4.5	652	H.B. IVES
1 PR.	FLUSHBOLTS	282D x 12"	626	CORBIN RUSSWIN
1 EA.	D.P. STRIKE	DP2	626	H.B. IVES
1 EA	ASTRIGAL	OVERLAPPING ASTRIGAL BY DOOR MANUFACTURER		
1 EA	LOCKSET	CL3351 NZD C6 598A2	626	HAGGER
3 EA	STOP	FS436x435 / WS4Ø7	626	H.B. IVES
3 EA	SILENCER	SR64	GRY	H.B. IVES

HARDWARE SCHEDULE

QTY	ITEM	MODEL	FINISH	MANUFACTURER
	GROUP 1			
3 EA.	HINGE	5BB1 4.5x4.5 NRP	63Ø	H.B. IVES
1 EA.	PANIC HARDWARE	99|-F x99SL	626	VON DUPRIN
1 EA.	RIM CYLANDER	3Ø8Ø-598A2	626	CORBIN RUSSWIN
1 EA.	CLOSER	4Ø41 SCUSH	689	LCN
1 EA.	KICKPLATE	84ØØ 1Ø"x2" LDW	63Ø	H.B. IVES
1 EA.	HEAD SEAL	7ØØ SA	AL	NATIONAL GUARD
1 PR.	JAMB SEAL	16Ø8	AL	NATIONAL GUARD
1 EA	DOOR SWEEP	C627A	AL	NATIONAL GUARD
1 EA.	THRESHOLD	425	AL	NATIONAL GUARD - SEE DETAIL C5/AE5Ø1
	GROUP 2			
3 EA.	HINGE	5BB1 1HW 4.5x4.5	652	H.B. IVES
1 EA.	DEADLOCK	DL4Ø11 LESS CYLINDER	626	CORBIN RUSSWIN
1 EA.	MORTISE CYLINDER	1Ø8Ø-598A2	626	CORBIN RUSSWIN
1 EA.	PUSH PLATE	8200-Ø 4"x16"	63Ø	H.B. IVES
1 EA.	PULL PLATE	8301-Ø 4"x16"	63Ø	H.B. IVES
1 EA.	CLOSER	P4Ø41	689	LCN
1 EA.	KICKPLATE	84ØØ 1Ø"x2" LDW	63Ø	H.B. IVES
1 EA.	WALL STOP	WS 4Ø1	63Ø	H.B. IVES
3 EA	SILENCER	SR64	GRY	H.B. IVES

DOOR SCHEDULE NOTES & ABBREVIATIONS:

(1) W/ ADA OPENER SUPPLIED AND INSTALLED BY OWNER

HM	HOLLOW METAL	PT	PAINT
MTL	METAL	FA	FACTORY FINISH

ARCHITECTAJC PROJECT # 0502

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Internet: http://www.dfcm.utah.gov

PROJECT DESCRIPTION

ATE CENTER AT UTAH STATE PRISON

DRAPER, UTAH

SHEET NAME:

DOOR / FINISH SCHEDULES

REVISIONS

MARK	DATE	DESCRIPTION
1	5/3/05	ADDENDA #1 OWNER ITEMS PLAN REVIEW

ISSUE DATA

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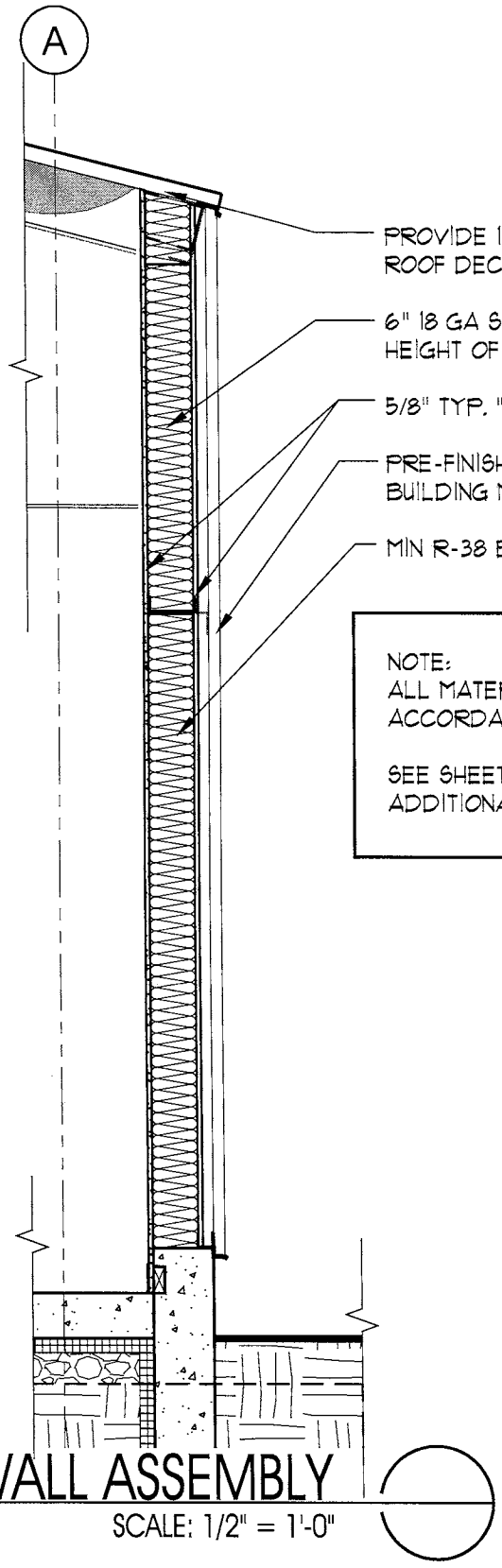
SHEET NUMBER:

AE601

SHEET 26 OF 44 TOTAL PAGES



PROVIDE 1 HOUR FIRE STOP MATERIAL AT UNDERSIDE OF METAL ROOF DECK FLUTES.

6" 18 GA STEEL STUD FRAMING AT 16" O.C. MIN SPACING FULL HEIGHT OF WALL.

5/8" TYP. "X" GYP. BD. Ea. SIDE OF STUD FRAMING.

PRE-FINISHED METAL WALL PANELS BY PRE-ENGINEERED METAL BUILDING MANUFACTURER.

MIN R-38 BATT INSULATION

NOTE:
ALL MATERIALS AND INSTALLATION REQUIREMENTS TO BE IN ACCORDANCE WITH UL DESIGN No. V432.

SEE SHEET AE302 OF CONSTRUCTION DOCUMENTS FOR ALL ADDITIONAL WALL SECTION INFORMATION.

WALL ASSEMBLY

SCALE: 1/2" = 1'-0"

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ajc@ajcarchitects.com

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DRAPER PRISON ATE

1 HOUR RATED

WALL ASSEMBLY

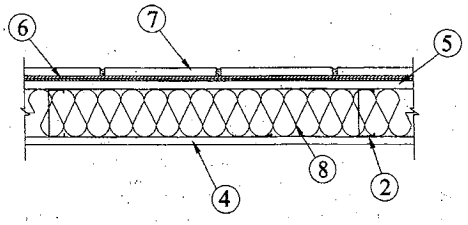
0502

MAY 3, 2005

AD1.1

Fire Resistance Ratings - ANSI/UL 263 (BXUV)–*Continued*

Design No. V432
(Exposed to Fire on Interior Face Only)
Bearing Wall Rating—1 Hr



1. **Steel Floor and Ceiling Tracks** — (Not Shown)—Top and bottom tracks of wall assemblies shall consist of steel members, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min No. 20 GSG (0.036 in. thick) galvanized steel or No. 20 MSG (0.033 in. thick) primed steel, that provide a sound structural connection between steel studs, and to adjacent assemblies such as floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.
2. **Steel Studs** — Corrosion protected steel studs, min 3-1/2 in. wide, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min No. 20 GSG (0.036 in. thick) galvanized steel or No. 20 MSG (0.033 in. thick) primed steel, cold formed, shall be designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly including the axial design load of the studs, shall be specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications.
3. **Lateral Support Members** — (Not Shown)—Where required for lateral support of studs, support may be provided by means of steel straps, channels or other similar means as specified in the design of a particular steel stud wall system.
4. **Gypsum Board*** — Any 5/8 in. thick (min) gypsum wallboard bearing the ULI Classification Marking as to Fire Resistance. Applied vertically with Type S-12 steel screws, spaced 8 in. OC at edges and joints and 12 in. OC at the field. See **Gypsum Board** (CKNX) Category for names of Classified Companies.
5. **Gypsum Sheathing*** — Any 5/8 in. thick (min) gypsum sheathing bearing the Fire Resistance Classification Marking. Applied vertically and attached to studs and runner tracks with 1 in. long Type S-12 bugle head screws spaced 12 in. OC (max) along studs and tracks. See **Gypsum Board** (CKNX) Category for names of Classified Companies.
6. **Wood Structural Panel Sheathing** — (Optional)—Min 7/16 in. thick, 4 ft wide wood structural panels, min grade "C-D" or "Sheathing". Installed with long dimension of panel (strength axis) or face grain of plywood parallel with or perpendicular to studs. Vertical joints centered on studs. Horizontal joints backed with steel straps or channels (Item 3), min 1-1/2 in. wide by No. 20 GSG (0.036 in. thick) galvanized steel or No. 20 MSG (0.033 in. thick) primed steel, when specified in the design of a particular steel stud wall system. Sheathing attached over gypsum sheathing (Item 5) to studs and tracks with Type S-12 bugle head screws; or No. 8 self-drilling/tapping steel screws; or min 0.100 in. diam. Hardened steel nails with helical or knurled thread (min sheathing fastener length equivalent to total thickness of gypsum and wood structural panel sheathing and steel framing plus 1/4 in.). Sheathing fasteners spaced min 6 in. OC at perimeter of panels and 12 in. OC along interior studs.
7. **Exterior Facings** — Installed in accordance with manufacturer's installation instructions and local building code requirements. One of the following exterior facings is to be applied over sheathing (Item 5 or 6 (if used)):
   A. **Siding** — Aluminum, steel or vinyl siding attached over sheathing to studs.
   B. **Brick Veneer** — Any type of nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Brick veneer fastened with corrugated metal Wall ties attached over sheathing to steel studs with No. 6 steel screw per tie; ties spaced not more than each sixth course of brick. Min 1 in. air space provided between brick veneer and sheathing.

FIRE RESISTANCE DIRECTORY (BXRH)

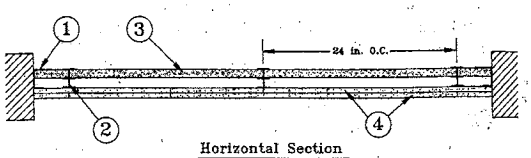
Fire Resistance Ratings - ANSI/UL 263 (BXUV)–*Continued*

   C. **Particleboard Siding** — Hardboard exterior sidings including patterned panel or lap siding.
   D. **Wood Structural Panel or Lap Siding** — APA Rated Siding marked Exterior, plywood, OSB, or composite panels with veneer faces and structural wood core, per PS 1 or APA Standard PRP-108, including textured, rough sawn, medium density overlaid, brushed, and grooved panels or lap siding.
   E. **Stucco** — Portland cement type - min nom 3/4 in. thickness. Metal lath or mesh base fastened over sheathing to steel studs with No. 6 screws or other approved fasteners for attaching lath to steel framing.
   F. **Exterior Insulation and Finish System (EIFS)** — Nom 1 in. Foamed Plastic* insulation bearing the UL Classification Marking, attached over sheathing and finished with coating system, or Portland cement or synthetic stucco systems, in accordance with manufacturer's instructions. See **Foamed Plastic** (BRYX or CCVW) category for names of Classified companies.
8. **Batts and Blankets*** — Any glass fiber or mineral wool insulation bearing the UL Classification marking as to fire resistance, of a thickness to completely fill stud cavity. See **Batts and Blankets** (BKNV or BZJZ) category for names of Classified companies.

*Bearing the UL Classification Mark

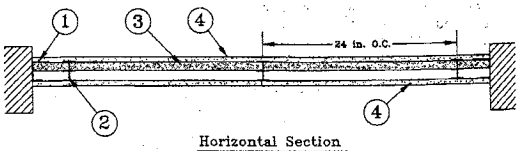
Design No. V433
Nonbearing Wall Rating-1 or 2 Hr.

System A – 2 Hr.



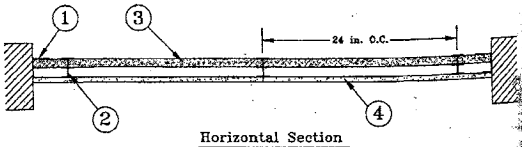
Horizontal Section

System B – 2 Hr.



Horizontal Section

System C – 1 Hr.



Horizontal Section

1. **Steel Framing Members (Floor, Side and Ceiling Runners)*** — "J" -shaped runner, min 2-1/2 in. deep, with unequal legs of 1 in. and min 2-3/16 in. fabricated from min 25 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. Runners may be supplied with securement tabs for gypsum liner panels (refer to Item 3).
   PHILLIPS MFG CO —Type 2-1/2 in. J-Track-25, 2-1/2 in. J-Track-20, 4 in. J-Track-25, 4 in. J-Track-20, 6 in. J-Track-25, or 6 in. J-Track-20
2. **Steel Framing Members (Steel Studs)*** — "I" -shaped studs fabricated from min 25 MSG galv steel, min 2-1/2 in. deep, 1-1/2 in. wide. Studs contain 3/4 in. wide by 2-1/4 in. high holding tabs spaced 2-3/4 in. OC. Cut to lengths 5/8 in. less than floor-to-ceiling height and spaced 24 in.
   PHILLIPS MFG CO —Type 2-1/2 in. I-Stud-25, 2-1/2 in. I-Stud-20, 4 in. I-Stud-25, 4 in. I-Stud-20, 4 in. I-Stud-18, 6 in. I-Stud-25, 6 in. I-Stud-20, or 6 in. I-Stud-18
3. **Gypsum Board*** — Gypsum liner panels, nom 1 in. thick, 24 in. wide,

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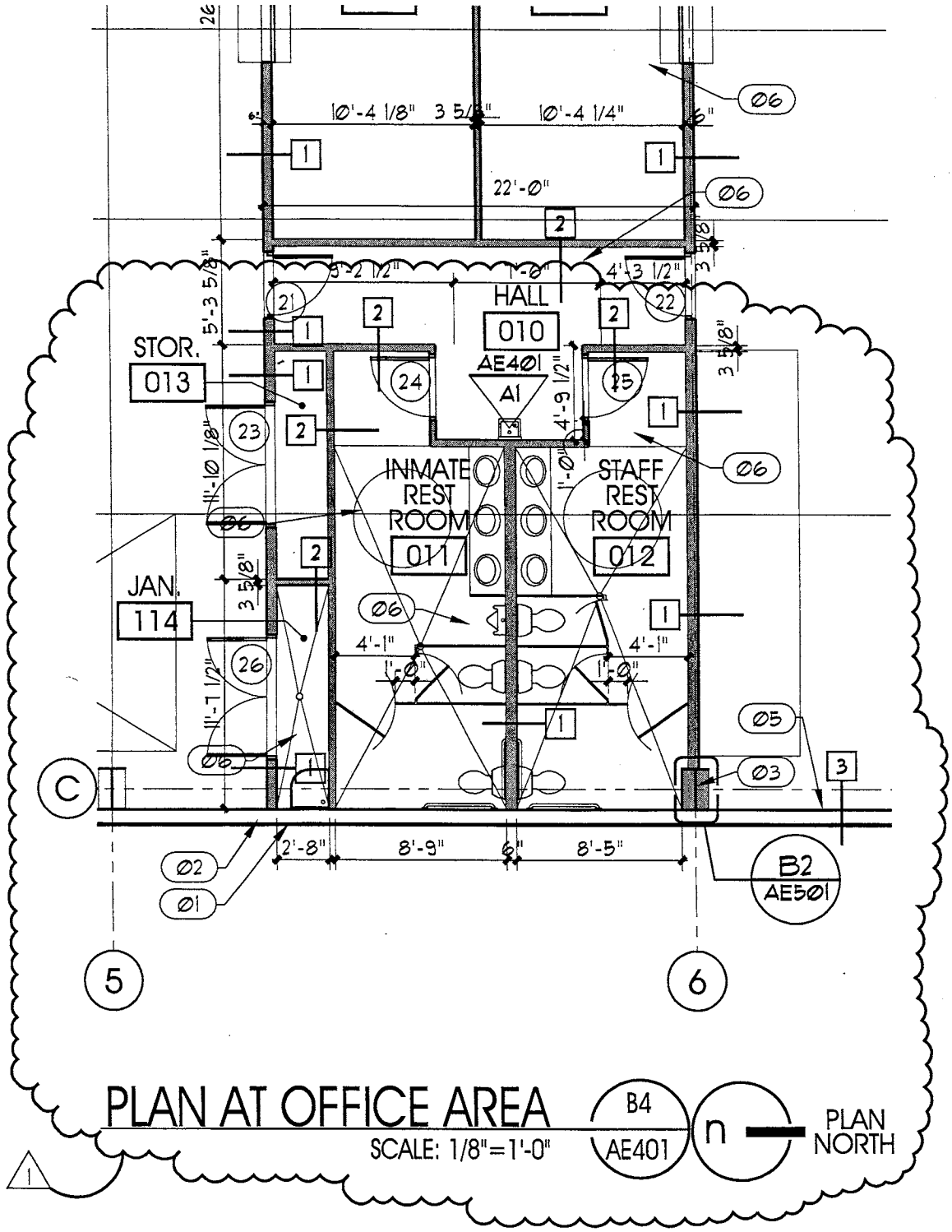
DRAPER PRISON ATE

UL DESIGN NO.

V432

0502
MAY 3, 2005

AD1.2



PLAN AT OFFICE AREA

SCALE: 1/8"=1'-0"

B4 / AE401

PLAN NORTH

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MAY 3, 2005

REVISED REST

ROOM LAYOUT AD1.3

ADDENDUM

Project Name: ATE Center at Utah State Prison

Addendum No.: 1

Date: April 29, 2005

From: WHW Engineering Inc
1354 East 3300 South Suite 200
Salt Lake City, Utah 84106
Phone (80) 466-4021 Fax (801) 466-8536

To: All Bidders

This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated March 2005 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 4 pages, and 2 full size drawings.

I - CHANGES TO PRIOR ADDENDA: None

II - CHANGES TO BIDDING REQUIREMENTS: None

III - CHANGES TO AGREEMENT & OTHER CONTRACT FORMS: None

IV – CHANGES/CLARIFICATIONS TO CONDITIONS OF THE CONTRACT: None

V - CHANGES/CLARIFICATIONS TO SPECIFICATIONS:

Item V-1. Specification section 15484 paragraph 2.1 shall be modified to read as follows:

2.1 STANDARD WATER HEATERS

A. 40 Gallon
1. Glass lined storage tank pressure tested and rated for 125 PSI working pressure.
2. Water heaters shall each have ASME rated temperature-pressure relief valve rated at MBH input of heater minimum set to relieve at 120 psi.
3. Complete with thermostat, high limit control, and anode rod.
4. See drawings for KW input, voltage, height, etc.
5. Approved Manufacturers And Models -
   a. A O Smith - ECL-40 or equal by
   b. American
   c. Ruud
   d. State Industries

VI - CHANGES/CLARIFICATIONS TO DRAWINGS:

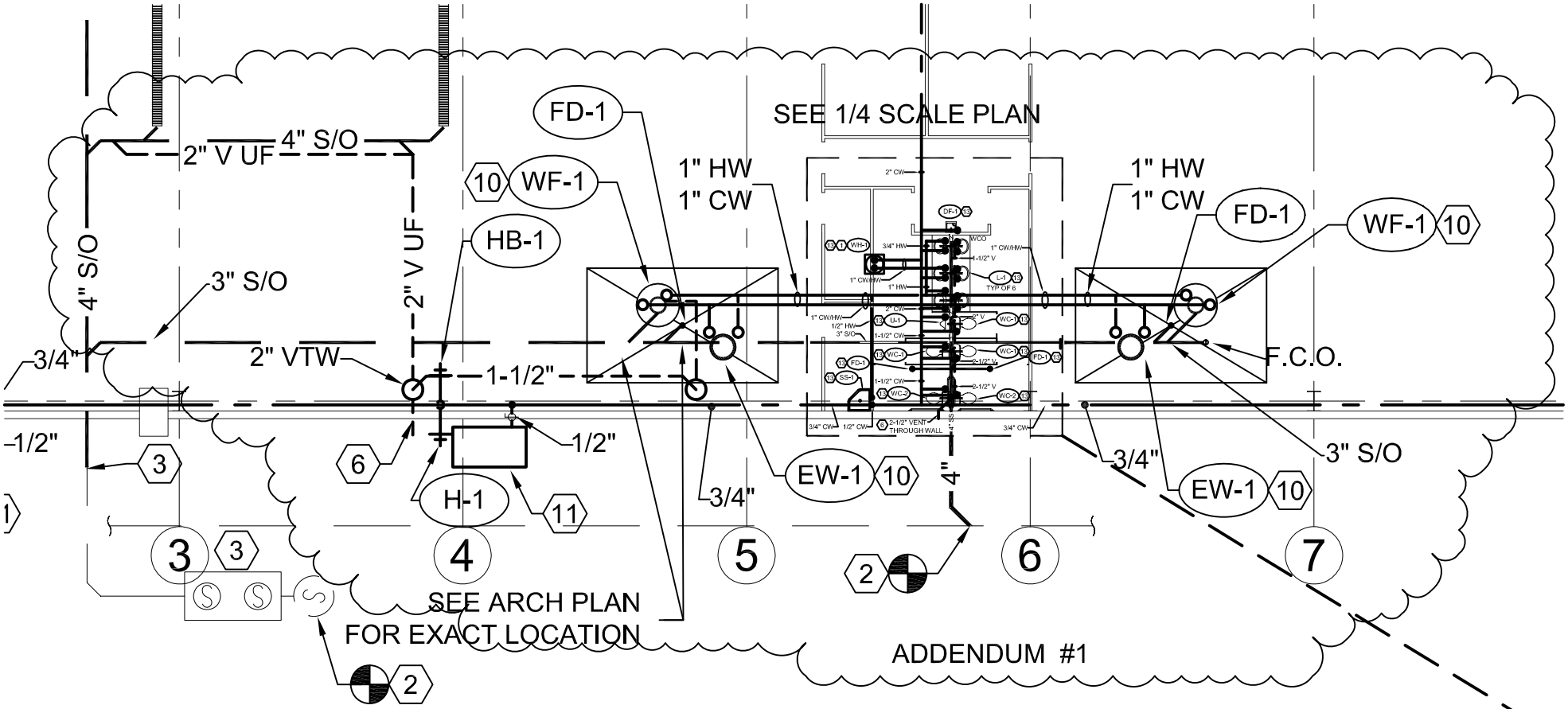
Item VI-1. Sheet PE101 – Add wash fountain and eyewash in woodshop area. Route waste line from both wash fountains and floor drains to sand and oil separator line. See attached revised sheet PE101(and 8-1/2 x 11 updated plan).

Item VI-2. Sheet PE601 – Electric water heater shall be a 40 gallon 4.5 KW heater. See revised sheet PE601 (and 8-1/2 x 11 updated plan).

PRIOR APPROVALS

THE FOLLOWING ITEMS, AS SUBMITTED, ARE CONSIDERED, IN GENERAL AND IN NAME ONLY, AS EQUAL TO THOSE ITEMS SPECIFIED. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOBSITE AND FOR REQUIREMENTS OF THE SPECIFICATIONS FOR COORDINATION WITH OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND THE SUITABILITY OF "EQUAL" PRODUCTS FOR THE SPECIFIED APPLICATION.

Description	**Manufacturer**
15410 – Water closets, lavatories, urinals	Briggs/Sayco/ProFlo
15410 – Eyewash/drench shower	Encon
15410 – Wash Fountain	Willoughby
15484 – Thermal Expansion Absorber	Wilkins
15836 – Exhaust fans	Acme
15851 – Diffusers, Registers, and Grilles	Nailor



PLUMBING FLOOR PLAN

A1
ME101

SCALE: 1/16"=1'-0"

N

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	PIPE SIZE					REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.	
WC-1	WATER CLOSET	INT.	4"	2"	1"	-	FLOOR MOUNTED, FLLUSH VALVE
WC-2	WATER CLOSET	INT.	4"	2"	1"	-	FLOOR MOUNTED, FLUSH VALVE, 17-1/2" RIM HEIGHT (ADA APPROVED)
U-1	URINAL	INT.	3"	2"	3/4"	-	WALL MOUNTED, FLUSH VALVE. (ADA APPROVED)
L-1	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER TOP WITH LEVER HANDLES. (ADA APPROVED)
FD-1	FLOOR DRAIN	2"	2"	1-1/2"	-	-	WITH DEEP SEAL P-TRAP AND TRAP PRIMER
TD-1	TRENCH DRAIN	3"	3"	2"	-	-	ZURN MODEL #Z-874-12
EW-1	EYE WASH/DRENCH SHOWER	1-1/2"	1-1/2"	-	1/2"	1/2"	BRADLEY MODEL #S19-310BF
WF-1	WASH FOUNTAIN	2"	2"	1-1/2"	1"	1"	BRADLEY MODEL #WF2708
SS-1	SERVICE SINK	3"	3"	2"	1/2"	1/2"	FLOOR TYPE CORNER SINK
HB-1	HOSE BIBB	-	-	-	1/2"	-	PROVIDE WITH LOOSE KEY HANDLE
H-1	WALL HYDRANT	-	-	-	3/4"	-	FREEZE PROOF WITH VACUUM BREAKER
DF-1	DRINKING FOUNTAIN	2"	2"	1-1/2"	1/2"	-	ELECTRIC, SINGLE LEVEL, ADA APPROVED
WH-1	ELECTRIC WATER HEATER	-	-	-	1"	1"	4.5 KW, 208/1Ø/60, 40 GALLON, 33" MAX HEIGHT, AO SMITH ECL-40 OR EQUAL

ADDENDUM #1

ATE CENTER AT UTAH STATE PRISON

DRAPER, UTAH

DFCM PROJECT NO. 04256100

April 29, 2005

ELECTRICAL ADDENDUM ITEMS

1. Add Electrical Service for Overhead Door Motors:

   A. Provide electrical service to 3 exterior overhead door motors as shown on attached drawings EP101a, and EP102a.

   B. Add (2) 3P-15A circuit breakers in Panel 'L' to serve the overhead door motors. Connect two overhead doors in Wood Shop to the same circuit.

2. Add Fire Alarm System Interlocks for Overhead Doors:

   A. Provide an area smoke detector at each of 3 exterior overhead doors, located in accordance with NFPA 72, Section 5.14.6.5.

   B. Provide two smoke detectors at Paint Booth overhead door located in accordance with NFPA 72, Section 5.14.6.5 and as follows:

      1) One area smoke detector outside of Paint Booth and minimum 3 feet above the door opening.

      2) One smoke detector located inside Paint Booth, approved for Class I, Division 1, Group D NEC Classified Hazardous Location. Conventional type smoke detector may be used and connected to an addressable monitor module located in a non-classified location outside of the Paint Booth.

      3) Paint Booth Overhead door will not be electrically operated but will be furnished with mechanism for door release service. See architect's addendum items.

   C. Provide a fire safety function power relay controlled by an addressable relay module at each of 4 overhead doors. Interlock door controls with power relay to close door upon activation of the smoke detector at the associated door.

      1) Coordinate door interlock requirements with door supplier.

3. Change Location of Paint Booth Electrical Connections:

   A. Change location of safety switches, starter/control panels, and electrical connections for Paint Booth Exhaust Fan '26a', Paint Booth Heaters '26b', and Paint Booth lighting and control circuits to locations shown on attached drawing EP102b.

4. Change Location of and Electrical Service for Dust Collector '37'.

   A. Delete 120 Volt, and 208 Volt, 3 Phase Electrical Service to Dust Collector shown on Sheet EP102 including 3P-60A breaker in Panel 'C2', circuit #38.

   B. Change rating of Dust Collector '37' to 480 Volt, 3 Phase, with 40 HP Supply Fan and (2) 2 HP Regeneration Fans.

   C. Change location of Dust Collector '37' from west side of building to north end of building and provide electrical service as shown on attached drawing EP102d.

5. Change Electrical Service for Panel ‘L’:

    A. Change Panel ‘L’ Main Breaker from 3P-175A to 3P-225A Main Breaker.

    B. Change Transformer ‘T1’ from 112.5 KVA to 150 KVA.

    C. Change Breaker for Transformer ‘T1’ primary, Panel ‘M’ Circuit #13, from 3P-400A to 3P-500A.

    D. Change Transformer ‘T1’ Primary Feeder to 6 #250 KCM, 2 #2 Gnd, (2) 2-1/2” Conduit.

    E. Change Panel ‘L1’ Feeder to 4 #4/0, 1 #2 Gnd, 2-1/2” Conduit.

    F. Transformer ‘T1’ Ground Conductor to Building Steel shall remain #2.

END OF ELECTRICAL ITEMS

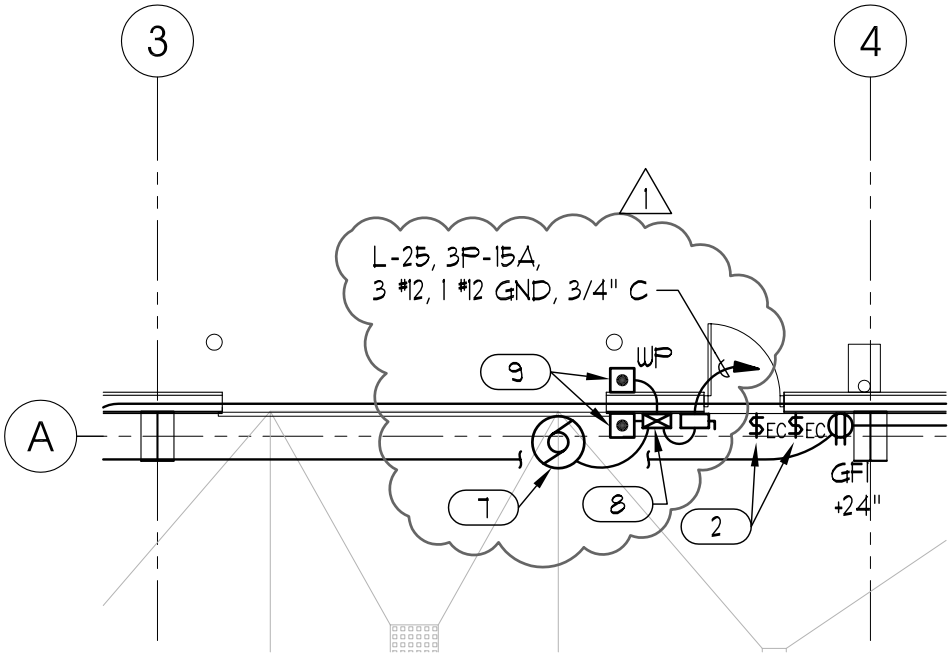
KEYED NOTES:

* FOR SHEET EP10la ONLY

(7) OVERHEAD DOOR MOTOR, 1 HP, 460 V, 3φ.

(8) OVERHEAD DOOR MOTOR STARTER/CONTROL PANEL FURNISHED WITH OVERHEAD DOOR, TO BE INSTALLED AND WIRED COMPLETE BY ELECTRICAL CONTRACTOR.

(9) OVERHEAD DOOR MOTOR "OPEN-CLOSE-STOP" PUSHBUTTONS FURNISHED WITH OVERHEAD DOOR, TO BE INSTALLED AND WIRED COMPLETE BY ELECTRICAL CONTRACTOR. VERIFY QUANTITY OF CONTROL CONDUCTORS REQUIRED WITH OVERHEAD DOOR SUPPLIER.



PARTIAL REVISED POWER PLAN - AUTO SHOP

1
EP101a

SCALE: 1/8" = 1'-0"

n

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DFCM PROJECT NO. 04256100

0502
4/29/05

PARTIAL REVISED POWER PLAN - AUTO SHOP EP101a

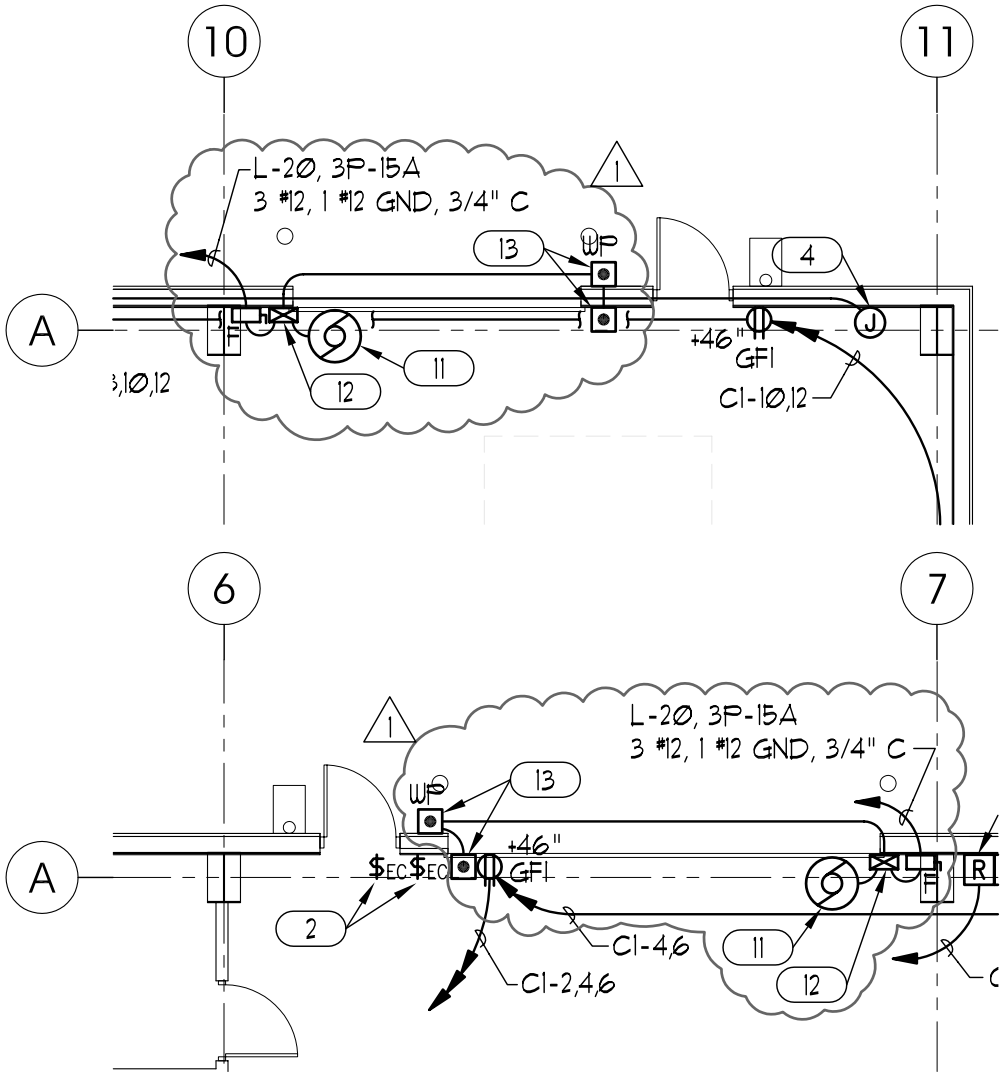
KEYED NOTES:

* FOR SHEET EP102a ONLY

(11) OVERHEAD DOOR MOTOR, 1 HP, 460 V, 3φ.

(12) OVERHEAD DOOR MOTOR STARTER/CONTROL PANEL FURNISHED WITH OVERHEAD DOOR, TO BE INSTALLED AND WIRED COMPLETE BY ELECTRICAL CONTRACTOR.

(13) OVERHEAD DOOR MOTOR "OPEN-CLOSE-STOP" PUSHBUTTONS FURNISHED WITH OVERHEAD DOOR, TO BE INSTALLED AND WIRED COMPLETE BY ELECTRICAL CONTRACTOR. VERIFY QUANTITY OF CONTROL CONDUCTORS REQUIRED WITH OVERHEAD DOOR SUPPLIER.



PARTIAL REVISED POWER PLANS - WOOD SHOP

1 / EP102a

SCALE: 1/8" = 1'-0"

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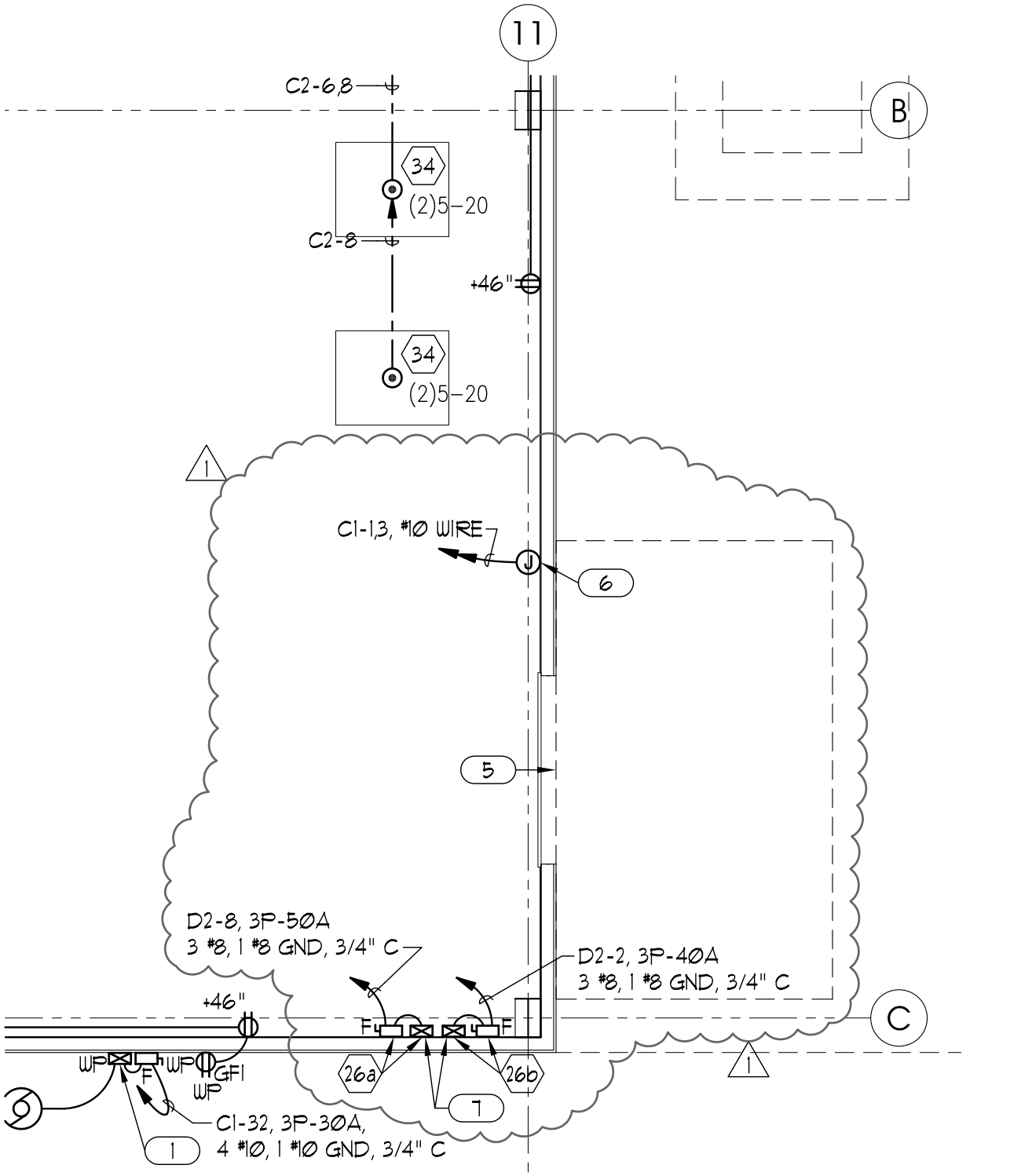
PARTIAL REVISED POWER PLAN - WOOD SHOP EP102a



PARTIAL REVISED POWER PLAN - WOOD SHOP

1
EP102b

SCALE: 1/8" = 1'-0"

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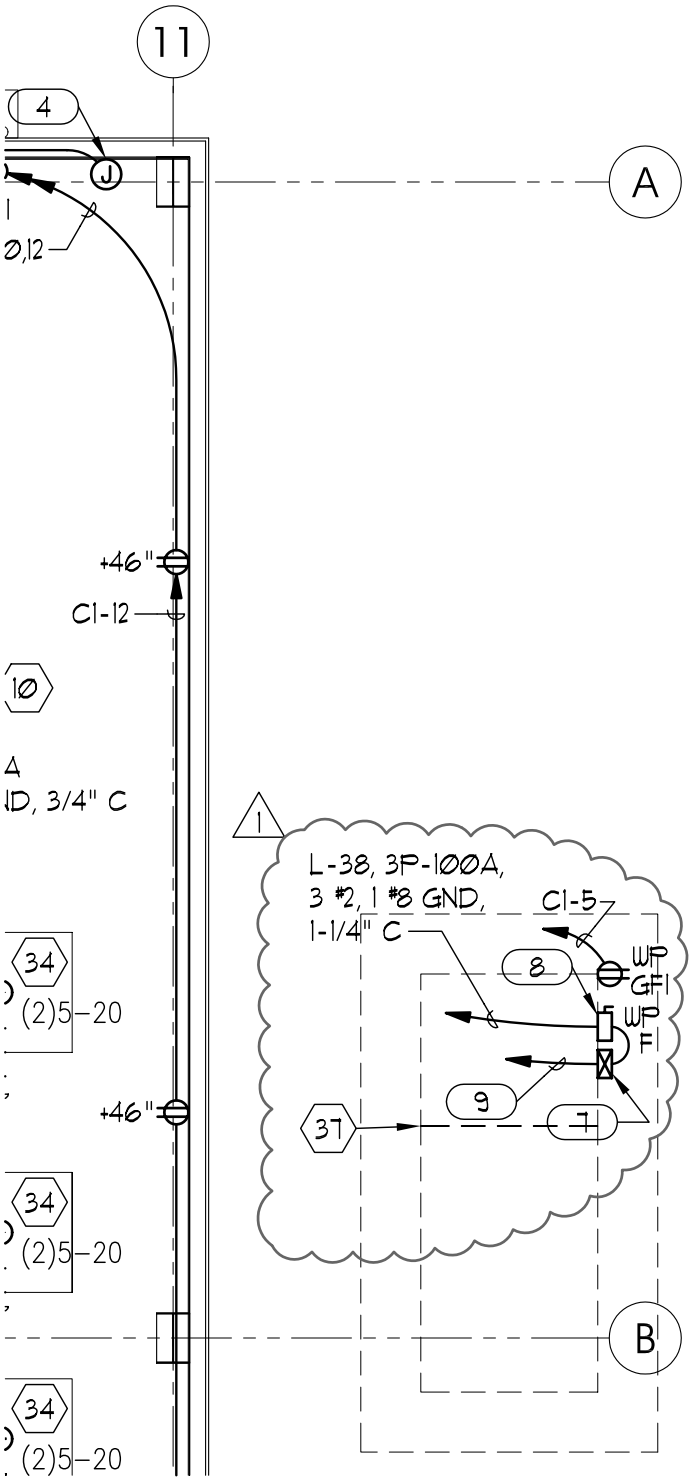
0502
4/29/05

PARTIAL REVISED POWER PLAN - WOOD SHOP EP102b



PARTIAL REVISED POWER PLAN - WOOD SHOP

1
EP102c

SCALE: 1/8" = 1'-0"

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ATE CENTER AT UTAH STATE PRISON
DFCM PROJECT NO. 04256100

0502
4/29/05

PARTIAL REVISED POWER PLAN - WOOD SHOP EP102c

SECTION 08331 - OVERHEAD COILING DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following types of electric-motor-operated overhead coiling doors:

1. Insulated service doors.
2. *Fire-rated service doors.*

B. Related Sections include the following:

1. Division 5 Section "Metal Fabrications" for miscellaneous steel supports.
2. Division 8 Section "Door Hardware" for lock cylinders and keying.
3. Division 13 Section “Metal Building Systems” for metal frames at exterior openings.
4. Division 16 Sections for electrical service and connections for powered operators and accessories.

1.3 DEFINITIONS

A. Operation Cycle: One cycle of a door is complete when it is moved from the closed position to the fully open position and returned to the closed position.

1.4 PERFORMANCE REQUIREMENTS

A. Structural Performance: Provide overhead coiling doors capable of withstanding the effects of gravity loads and the following loads and stresses without evidencing permanent deformation of door components:

1. Wind Load: Uniform pressure (velocity pressure) of 20 lbf/sq. ft. (960 Pa), acting inward and outward.
2. Impact Test for Flying Debris: Comply with ASTM E 1996, tested according to ASTM E 1886.

a. Level of Protection: Basic Protection.
b. Wind Zone Exposure C: 90 mph (144 km/h), pressure test to 1/2 and 1-1/2 x design pressure (positive and negative).

B. Operation-Cycle Requirements: Provide overhead coiling door components and operators capable of operating for not less than 10,000 cycles and for 10 cycles per day.

1. Include tamperproof cycle counter.

1.5 SUBMITTALS

A. Product Data: For each type and size of overhead coiling door and accessory. Include the following:

1. Summary of forces and loads on walls and jambs.
2. *Fire-Rated Doors: Include description of fire-release system including testing and resetting instructions.*

B. Shop Drawings: For special components and installations not dimensioned or detailed in manufacturer's product data.

C. Qualification Data: For Installer.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for both installation and maintenance of units required for this Project.

B. Source Limitations: Obtain overhead coiling doors through one source from a single manufacturer.

1. Obtain operators and controls from overhead coiling door manufacturer.

C. Fire-Test-Response Characteristics: Provide assemblies complying with NFPA 80 that are identical to door and frame assemblies tested for fire-test-response characteristics per UL 10b and NFPA 252, and that are listed and labeled for fire ratings indicated by UL, FMG, ITS, or another testing and inspecting agency acceptable to authorities having jurisdiction.

D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer: Subject to compliance with requirements, provide products by one of the following:

1. Alpine Overhead Doors, Inc.
2. Atlas Door; Div. of Clopay Building Products Company, Inc.
3. Cookson Company.
4. Cornell Iron Works Inc.
5. Dynamic Closures Corporation.
6. Mahon Door Corporation.
7. McKeon Rolling Steel Door Company, Inc.
8. Metro Door.

9. Overhead Door Corp.
10. Pacific Rolling Doors Co.
11. Raynor.
12. Southwestern Steel Rolling Door Co.
13. Wayne-Dalton Corp.
14. Windsor Door, a MAGNATRAX Corporation.

2.2 DOOR CURTAIN MATERIALS AND CONSTRUCTION

A. Door Curtains: Fabricate overhead coiling door curtain of interlocking slats, designed to withstand wind loading indicated, in a continuous length for width of door without splices. Unless otherwise indicated, provide slats of thickness and mechanical properties recommended by door manufacturer for performance, size, and type of door indicated, and as follows:

1. Steel Door Curtain Slats: Zinc-coated (galvanized), cold-rolled structural steel (SS) sheet; complying with ASTM A 653/A 653M, G90 (Z275) coating designation.

    a. Minimum Base-Metal (Uncoated) Thickness: 0.0209 inch (0.55 mm).
    b. Flat profile slats.

2. Insulation: Fill slat with manufacturer's standard rigid cellular polystyrene or polyurethane-foam-type thermal insulation complying with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, according to ASTM E 84. Enclose insulation completely within metal slat faces.
3. Inside Curtain Slat Face: To match material of outside metal curtain slat.

B. Endlocks and Windlocks for Service Doors: Malleable-iron casings galvanized after fabrication, secured to curtain slats with galvanized rivets or high-strength nylon. Provide locks on not less than alternate curtain slats for curtain alignment and resistance against lateral movement.

C. Bottom Bar for Service Doors: Consisting of 2 angles, each not less than 1-1/2 by 1-1/2 by 1/8 inch (38 by 38 by 3 mm) thick; galvanized, stainless-steel, or aluminum extrusions to suit type of curtain slats.

D. Curtain Jamb Guides for Service Doors: Fabricate curtain jamb guides of steel angles or channels and angles, with sufficient depth and strength to retain curtain, to allow curtain to operate smoothly, and to withstand loading. Build up units with not less than 3/16-inch- (5-mm-) thick galvanized steel sections complying with ASTM A 36/A 36M and ASTM A 123/A 123M. Slot bolt holes for guide adjustment. Provide removable stops on guides to prevent overtravel of curtain, and a continuous bar for holding windlocks.

2.3 HOODS AND ACCESSORIES

A. Hood: Form to act as weatherseal and entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Provide closed ends for surface-mounted hoods and provide fascia for any portion of between-jamb mounting projecting beyond wall face. Provide intermediate support brackets as required to prevent sagging.

1. Fabricate hoods for steel doors of minimum 0.028-inch- (0.7-mm-) thick, hot-dip galvanized steel sheet with G90 (Z275) zinc coating, complying with ASTM A 653/A 653M.
2. Shape: Round.

B. Integral Sills: Fabricate sills as integral part of frame assembly of same sheet metal; 0.078-inch (2.0-mm) minimum thickness.

C. Weatherseals: Provide replaceable, adjustable, continuous, compressible weather-stripping gaskets fitted to bottom and top of exterior doors, unless otherwise indicated. At door head, use 1/8-inch- (3-mm-) thick, replaceable, continuous sheet secured to inside of hood.

1. Provide motor-operated doors with combination bottom weatherseal and sensor edge.
2. In addition, provide replaceable, adjustable, continuous, flexible, 1/8-inch- (3-mm-) thick seals of flexible vinyl, rubber, or neoprene at door jambs for a weathertight installation.

D. Smoke Seals: Provide UL-listed and -tested smoke-seal perimeter gaskets.

E. Push/Pull Handles: For push-up-operated or emergency-operated doors, provide galvanized steel lifting handles on each side of door.

1. Provide pull-down straps or pole hooks for doors more than 84 inches (2130 mm) high.

F. Fabricate locking device assembly with lock, spring-loaded dead bolt, operating handle, cam plate, and adjustable locking bar to engage through slots in tracks.

1. Locking Bars: Full-disc cremone type, both jamb sides operable from inside only.
2. Lock cylinder is specified in Division 8 Section "Door Hardware."

G. If door unit is power operated, provide safety interlock switch to disengage power supply when door is locked.

H. Provide automatic-closing device that is inoperative during normal door operations, with [oscillating] [viscous-speed] governor unit complying with requirements of NFPA 80 and with an easily tested and reset release mechanism, and designed to be activated by the following:

1. Replaceable fusible links with temperature rise and melting point of 165 deg F (74 deg C); interconnected and mounted on both sides of door opening.
2. Manufacturer's standard UL-labeled smoke detector and door-holder-release devices.
3. Manufacturer's standard UL-labeled heat detector and door-holder-release devices.
4. Building fire alarm and detection system and door-holder-release devices.

2.4 COUNTERBALANCING MECHANISM

A. General: Counterbalance doors by means of adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to door curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.

B. Counterbalance Barrel: Fabricate spring barrel of hot-formed, structural-quality, welded or seamless carbon-steel pipe, of sufficient diameter and wall thickness to support rolled-up

curtain without distortion of slats and to limit barrel deflection to not more than 0.03 in./ft. (2.5 mm/m) of span under full load.

C. Provide spring balance of one or more oil-tempered, heat-treated steel helical torsion springs. Size springs to counterbalance weight of curtain, with uniform adjustment accessible from outside barrel. Provide cast-steel barrel plugs to secure ends of springs to barrel and shaft.

D. Fabricate torsion rod for counterbalance shaft of cold-rolled steel, sized to hold fixed spring ends and carry torsional load.

E. Brackets: Provide mounting brackets of manufacturer's standard design, either cast iron or cold-rolled steel plate.

2.5 ELECTRIC DOOR OPERATORS

A. General: Provide electric door operator assembly of size and capacity recommended and provided by door manufacturer for door and operation-cycle requirements specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, solenoid-operated brake, clutch, remote-control stations, control devices, integral gearing for locking door, and accessories required for proper operation.

B. Comply with NFPA 70.

C. Disconnect Device: Provide hand-operated disconnect or mechanism for automatically engaging chain and sprocket operator and releasing brake for emergency manual operation while disconnecting motor without affecting timing of limit switch. Mount disconnect and operator so they are accessible from floor level. Include interlock device to automatically prevent motor from operating when emergency operator is engaged.

D. Design operator so motor may be removed without disturbing limit-switch adjustment and without affecting emergency auxiliary operator.

E. Provide control equipment complying with NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6, with NFPA 70 Class 2 control circuit, maximum 24-V, ac or dc.

F. Door-Operator Type: Provide wall-, hood-, or bracket-mounted, jackshaft-type door operator unit consisting of electric motor, enclosed gear-head-reduction drive, and chain and sprocket secondary drive.

1. Through-wall-mounted motor operator.

G. Electric Motors: Provide high-starting torque, reversible, continuous-duty, Class A insulated, electric motors complying with NEMA MG 1; with overload protection; sized to start, accelerate, and operate door in either direction from any position, at not less than 2/3 fps (0.2 m/s) and not more than 1 fps (0.3 m/s), without exceeding nameplate ratings or service factor.

1. Type: Polyphase, medium-induction type.
2. Service Factor: According to NEMA MG 1, unless otherwise indicated.
3. Coordinate wiring requirements and electrical characteristics of motors with building electrical system.
4. Provide open dripproof-type motor, and controller with NEMA ICS 6, Type 1 enclosure.

5. Provide totally enclosed, nonventilated or fan-cooled motor, fitted with plugged drain, and controller with NEMA ICS 6, Type 4 enclosure where indicated.

H. Obstruction Detection Device: Provide each motorized door with indicated external automatic safety sensor capable of protecting full width of door opening. Activation of sensor immediately stops and reverses downward door travel.

1. Photoelectric Sensor: Manufacturer's standard system designed to detect an obstruction in door opening without contact between door and obstruction.

a. Self-Monitoring Type: Designed to interface with door operator control circuit to detect damage to or disconnection of sensing device. When self-monitoring feature is activated, door closes only with sustained pressure on close button.

2. Sensor Edge: Provide each motorized door with an automatic safety sensor edge, located within astragal or weather stripping mounted to bottom bar. Contact with sensor immediately stops and reverses downward door travel. Connect to control circuit using manufacturer's standard take-up reel or self-coiling cable.

a. Provide electrically actuated automatic bottom bar.

1) Self-Monitoring Type: Four-wire configured device.

I. Limit Switches: Provide adjustable switches, interlocked with motor controls and set to automatically stop door at fully opened and fully closed positions.

J. Provide electric operators with ADA-compliant audible alarm and visual indicator lights.

2.6 FINISHES, GENERAL

A. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 STEEL AND GALVANIZED STEEL FINISHES

A. Baked Finish: Manufacturer's standard baked finish consisting of primer and topcoat according to coating manufacturer's written instructions for cleaning, pretreatment, application, thermosetting, and minimum dry film thickness.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General: Install coiling doors and operating equipment complete with necessary hardware, jamb and head molding strips, anchors, inserts, hangers, and equipment supports.

1. Install fire-rated doors to comply with NFPA 80.

3.2 ADJUSTING

A. Lubricate bearings and sliding parts; adjust doors to operate easily, free of warp, twist, or distortion and with weathertight fit around entire perimeter.

3.3 STARTUP SERVICES

A. Engage a factory-authorized service representative to perform startup service.

1. Complete installation and startup checks according to manufacturer's written instructions.
2. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

a. Test door closing when activated by detector or alarm-connected fire-release system. Reset door-closing mechanism after successful test.

3.4 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain overhead coiling doors. Refer to Division 1 Section "Closeout Procedures and Demonstration and Training."

END OF SECTION 08331